

<223> Clone ID: LIB25-108-Q1-E1-C7

<400> 14413

acaaacccaa gatctgaaaa agtttttgtc ttttctctcc caatcgctg attcaagcct 60
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gagtttgagt gggagttgga gagatgcgta taaaggaatg tcatcgata atataaaggg 180
tttagtattg gctttatctt caagcttatt cattgggtgct agtttcattg ttaagaagaa 240
aggtctcaag agagctgggtg cttctgggtct cagagcaggt tctggagggtt attcttacct 300
gcttgagcct ctctgggtggg taggcatgat aacgagttag ttccttcat atttaaagt 360
attgtagggg aaattgccaa ttttgctgct taagcctttg cncctgcaat ttaataactc 420
ccc 423

<210> 14414

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-D1

<400> 14414

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ttattaataa aaaaaaata aaaagaagca gaaaagagat aatgcagggt ggtaggcttt 120
tgacggtggt ggtgtgcctc gcctccacgg tggcggtggg gagcgccggg gacccttact 180
tctactacac gtggaacgta acctacggaa ccgccgcgcc tctcggaatt cctcaacagg 240
tgattctcat caacggacag ttccttggtc ctaacctaaa ctcaacctcc aacaacaatg 300
tcgtcatcaa tgtcttcaac aacctgcagc agcctttcct cttgacctgg agtggactcc 360
aagcacanga agaactcatg gcaagatggg gtgactggga cctcatgcca atcccaagca 420
ngcacaaact 430

<210> 14415

<211> 506

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-D3

<400> 14417

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atanaaaaaga agagaaaaaat aaaaaagttt gtgtaaattt tttttgcaca ctccacaagc 120
ctaaacccaa cccaaaatca caaaaaccaa aaaaatatat aataatgggt ggctgtgcga 180
gtagacccaa ggaatcagac atgcaaaacg aagaaggctc tgttcctaac aagcctgtct 240
ctgaaaacgt agtagccaag gagaacaaca cagaaagcgg tgagaaacag aaccagacag 300
tggctgagac cactgaaaca acttctgtcg aagctaagga gacatttccg gtcgagccga 360
ccaaggaaac aactcctgct gttcaaccag aggttgcagc cgtcgaagag tcttcttctg 420
ctgatgctgg tganctgca gtagttgcac ctgagaaagt tggagaacgc tgcaacagaa 480
aacgctgaag 490
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<210> 14418
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-D6

<400> 14418

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tctccttctt tacacgacca ctgatatgtg tcggtgactg aaaccatctg ttctcttttg 120
cctctgattt atcgatatgt tttaaagaaa aacggtgttt gaaacttttg taatttaagg 180
ttcatcaaat actcagatct tgtctgagaa attaagctga aatctgataa atggggtttgt 240
ttaaattcat cttcttgtaa tctcttctat ggagtttcta cagtttaggc tcatctcagc 300
tacaagcttc acaagcacia gttcttcttc agctgaaaaa acacttaaga atatccacaa 360
caagctaaga atcctgggaa tgattacang aaccaaattt cggcaactta caagcaanac 420
caatcgatgn ag 432
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<210> 14419
 <211> 419

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-D8

 <400> 14419

 ctctccgccc atctctgctc tcttttattt tcccagaaag tttttttttt ttttttccga 60
 attccgttaa tctcattggg gtttccattg atagcaatgg cgacggcttt cgctcccact 120
 aagctcactg ccacgggttc tctgcatgga tcccatgaga atcgtctctt gctcccgatc 180
 cgattggctc ctctttcttc tttcctcgga tccaccggtt ccctctccct tcgcagactc 240
 aatcactcca acgccacccg tcgatctccc gtcgtctctg tccaggaagt tgtcaaggag 300
 aagcaatcca ccaataatac cagcctgttg ataaccaaag aggaaggatt ggagttgtat 360
 gaagatatga tactaggtaa attcttcgaa nacaagtggg gcccaaagta ntaccgggg 419

<210> 14420
 <211> 668
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-D9

 <400> 14420

 gnnnnnggcc cngttectan angncegggg cnnctaanaa anatttcccc ccgngnnaan 60
 aaaccnann ccccaaaggg gcccctnecn gggggacgga aacngggggc ccaaaagggg 120
 gnnaaaaccc cttttttttt caaaggaagg tctccaacc ttttcgggtt cctaaacctt 180
 ttccccgggg tttttcccg gcccggcccc ggtngaacca atggtccggc ctccggaatt 240
 tcggaattt ccccccggt tttnaaaagg aacccccggg gtttccctcc aacaaccttt 300
 acctggaaac ccggttnang cctggttata aatttngccc ttacttnctt cttccctcc 360
 ctcttttggg ccgaacaaaa aagccggggg tgggttattg ggggtcttgg gtggagaaag 420
 aaaaaagaaa agtgggattt accgggagat agtgggcatc tgggtgacct gggttctgca 480
 cgagaaggcc gagaagttga cccgggagaa atcgggtcgg agcgtattca gaagataatt 540
 gatgatatga ttaaaagtta tgagattggg ctctggagt tggntctgct gtcctcaaaa 600
 ttggtgttcc cttaaggatt attgtattgg gaagatacaa aagagtatat aagttacgca 660

ccaaaang

668

<210> 14421
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E10

<400> 14421

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attcaatggn ggattggctc ttcnaacttc ggttctaagc agtgcaacag ctcttgctaa 120
atccctgacg tacgaggaag ctctgcaaca atctatgacc acttcttcat cttttgattc 180
ggatggctctg attgaaggga tatccaattt tgtcacagac aatcctttgg ntaatgccgg 240
tggagttgct gcantggctg ttncaattgt tccgtccaag gtc 283

<210> 14422
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E12

<400> 14422

nngnaangtt agcagctnta cgggcagaat ccgaatcgac cacgcnccgg agacaaagct 60
cnagaagcac tgatccatgg acttcgtgga aactganaaa atccgacaac ggctctdaga 120
ggcncaantc aaaacttttc tctctgggtc ctacttctac ttgggacaac tgagtacgat 180
cttatcttaa attcacggcg aagattagaa taaagaatta ctttcttaac taaaatcaag 240
cagaagatgc tagttgcagt gtctctcctt ctactccgt ccaaatcgga nacaatcttg 300
ncacggtcac tcgtcggean tntcctgtgt ctgctcgact catctnngen ctacctcten 360
cacgncaagt ctggatntct ttcccagaaa catgtcnctc aataaacgg 409

<210> 14423
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E3

<400> 14423

aacactatta tagaagctct taaaaagaaa aaatatgaag aaagctacgg cattgatgaa 60
acatatcggtt gcattgttga gttccatggc gaaggcaaaa tctatagcca taaagaacaa 120
aacgagtgct ttcaagacac gagtactcat gttgtctcta gtgaaacaca agaaactcgg 180
gttccgttcc atttccaaca agattcacca cctcttgggc catgcggatc aagacgacga 240
taacgaccag gaccaagaca agaacaaggc tatagtcttc tacaacagca aggcattccac 300
aatgggtcat catgaggaat atgacgttca cgaggaggaa agcgacaagt atcctgatct 360
gaggcacacg ttgttcgaag gagaaganga cttcggggga cttggaggaa ggaaggtcaa 420
ggtaattctg tt 432

<210> 14424
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E5

<400> 14424

gctgactccc aaaatcgatc aagattttta gctacgattc aaccgctgcc gttagattac 60
aggcgaatga atctctagag aagctatcgg aatcggtgaa tgcaatgatg acggagtttc 120
aatcgctgat tacgaaggaa tcgtcgaaat cggcgatttc tggcggcgga gttcatcage 180
tcacgaggta tgtgatgaac ttcacgtctt tctcgcagg actacagcga ttctctcgcc 240
accattctca aggagtcacg gntaccttta ccggaggatt acttcagtag caacggcgan 300
nagaatccan gatccggtga tcgttctccg atggcgggng agactcgcct gggttgattc 360
acgncgtgct ctgtanagat ccaacggccn aatctcncgg gnnagcnaan aantncgggn 420
ggggatcgag aggentcctt ngcgg 445

<210> 14425
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-E9

<400> 14425

agatacntct tttctttaca tgggaagact tttagaaggc tttggcggtg ggatcatctc 60
ttacactgta atactgaact taactagcta tttacttatg gaataacggt tcagtatatt 120
aatgcaactc ggttcgtgat tttaggtacc tgtatatatc gctgagatag ctccacaaaa 180
tatgagagga ggattggggt cggttaacca actttctgtg acaattggna taaagttggg 240
cgtaattact tgggcctcct tggtnccatg gagaaatccc tgcanttccg ggggaaaaat 300
gccgtgtaca attaaatggg taaccaaggt cccctttttt caancccccg gaaatcccc 360
tcccctgggg ctngggnaaa aaatngggta atggnccaan attnnaantt ttgaaaanct 420
tcaaattaa agntcctccc aagggttttt ggaaacggga anttaaccgn tttaaant 478

<210> 14426

<211> 212

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-F10

<400> 14426

cnaaggnaaa anttcaanct ccaattgacc ccgccaattg accaaattgg aaaaaaacc 60
aaancccccc cttggccat atgcnagaaa gttctgtctc ttgatgggag cacttgcaat 120
gaanctttga agttgtttac agaaaccaa cgaattttgt cancaagcat gtctaacatt 180
ggaagtggaa cncggaaga agtanagagg tc 212

<210> 14427

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-C5

<400> 14427

ngttattnng gcngccnnng nnggacanaa cattccccgg gccgaccac gcgtccagat 60

tgacaagata aaatgtgaga acctagcgaa aagactactt tcgttaatgc tgaaactagc 120
 tgcagttttt cggtatactc cgcttgagct tctgagaagc cagactacag tcagcccttc 180
 aagtctaaca gaagatgaca gtcggtgcag cctcatctca ccacctccta gagagcccac 240
 aatgaaagac cggattcttc catgttttga acgtattcag aaactggaga aaagttatga 300
 ggatattcgg aacaaacccg ttgcaatacc tgtagagaag gagagaatgt tgatggattc 360
 tttagataga atcaagtcag ttgagtttga tctcgacaaa acaaagaggc ttttacacgc 420
 cacggtgatg aaacaagatg gagataactg aaatgctgca aaatatacga ngactcccca 480
 acttcana 488

<210> 14428
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-B11
 <400> 14428

nnngnantgt tagcgctcn acgccgntca ntactggtcg naccgaccca cgcnnccgng 60
 aagagagtga gtagagttat atattacaca cataaaactt agatatagta gtgttatatt 120
 cttgattaag taataaagat gaaaggtggg aagcatggag aaaattaagc cgatattggc 180
 gataatttca ctgcaatttg ggtatgcagg catgtacatc atcaccatgg tctcgttcaa 240
 acatggcatg gaccattggg ttcttgctac ataccgtcat gtcgtagcca cggttgatc 300
 ggctcccttt gctctcatgt tcgagaggaa aattaggccc aagatgacac tagcaatatt 360
 ctgggaggct tcttgctctt ggaatattag agccctcat ggaccagaat ttgtactaca 420
 tangattgaa aaacacatca gcacctnca cttctgcctt taacaatgca cttccgccgt 480
 caccttcatt ccgcctcat t 501

<210> 14429
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-B2

<400> 14429

tggcgagtaa tcaacaacca ccgtcgaatc tacagaccta cgggtgtacca atttacgccg 60

tcgactggat tctagaggaa gctgtcagat ccaaaatcac taaggatcag gatgatgatg 120

atgatgatgg atcgtcgtcg tcgtcgtaca tcgttttatac cggcggagga ggagaaggac 180

gaagtggaat acctaattgtc atcttaattct gtcgtgttga tctccacacc aattctctct 240

ctgaacaacc tatttggtagg cgtgtgattg gcaactgatct accttatcgt atggctattc 300

atcctcgtca aggtgggtcct atttgtgcat tgcctaacag ttgcanactg tttgattggg 360

aaaacattat agaggatgat aatgangaag agtcanagaa agttgttaaa agagttaaaa 420

agatttgggg 430

<210> 14430

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-B3

<400> 14430

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tgtccccggg ctgaccgggt cacttatcgc cgccaatgaa gtatgcctgt tctagtaccg 120

atatacaatt tactcgtgcc aatttccta aaggtttcat ttttgggtac cgcaactgct 180

gcttttcagg ttgaaggagc tgtaaatgaa ngatgtagag gtccaagcat gtgggacgta 240

tacaccaaga aattcccaca taaatgtaat tatcacaatg ccgacgttgc tgtcgatttc 300

taccatcggt acaaggaaga tatcaagttg atgaaaaatc tgaacactga tggctttaga 360

ttttccattg catggcccag aatattcccc catggtaaga tgganaaaaag ggataagcaa 420

agcaag 426

<210> 14431

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-B4

<400> 14431

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gggtgatgggt gttgaggcaa tggctgatgt tggtggaagc gttctcaccg gaattaatgg 60
gaatccgctt ggggttttgg cgaggcaact tggtttgctt cttcataagg ttagagatat 120
ttgtcctttg tatcttccca atggagagct tgctgatgct agtggttgatt ctaagattga 180
ggcatcgttt aataagttgt tggatagagt ttgtaagctt agacagtcga tgatanagga 240
gaataaatca gttgatgtgc ctttgggaaa agcgcttgaa acatttcgat tggtttaagg 300
ggttgctgag gatcagcaag agagaatgct cttagattgg catttaacaa acttgggata 360
tgcaaatgct acattgtttg gggaatctgt caaanggcgt antgggntna agaatg 416

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<210> 14432
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-B5

<400> 14432

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gttcaacttc aatgactacc ccaatggaat ggtcacactc ttcaatctgc tagttatggg 60
taactggcaa gtatggatgg agagctacaa agatttgacg ggcacgtggg ggagcattac 120
atatttcgct agtttctatg tcatcactat ttactttctg ttgaatttgg ttgttgctt 180
tgtcttgagg gcgttcttta ctgagctgga tcttgaagaa gaagaaaaat gtcaaggaca 240
ggattctcaa gaaaaaagaa acaggcgctg atctgcangg tcgaaagtct ccggagtcaa 300
gagagttgat acatttcttc atcacatggt ggggtgatga actcaagcan accangagtg 360
ttccacttct gacacatang ncaaganaag atcgntaaga gcttatttag acgtttaaan 420
ctgtgaatc 429

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<210> 14433
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-B7

<400> 14433

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-C1

 <400> 14435

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 ggactctgct tctctcaaga agctccttcc cttacttcat gctcgtcgct gttgaagctg 180
 gaagcctttt acgtggacta atcctccttc tctcgttacc attcgtcatt atctcttacc 240
 tattcgtatc cgaatctctt ggtatccaga tcctcatctt catctcattc gctgggtctca 300
 aaatccgcga tatcgaaactt gtctctcgcg cagttcttcc acggtttttac gcggcggatg 360
 tgaggaaaaga cagttttgag gtgtttgata agtgtaagag aaaagtgggt agtgacnggg 420
 aa 422

<210> 14436
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-C10

 <400> 14436

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 gcnagggtaa aagatncgat nttaaggntc acttcaagaa tactanggae acaacgcacg 120
 caatcangga agctaccatt gatnaagggc aanagggtta cctttgangg atgggtgaata 180
 agctcaacaa agcaaagcaa tttcccttca acaacgtttt cctngcaaga anggtgtttt 240
 gggaagaaac tgggtcaaag cctaaagaaa caaggcaact cctaaatggg tccaanggae 300
 cgtttgggcc aagcccaaag ttctgggtca agttttgggt ccttganttt gctcaaagaa 360
 acgcctgaag aagcaaattg cttgaanggt tgaaaagggt tgggatgttt gaattgccct 420
 ccttcaatat cacaacatcc caaagtnaaa ccaaggccgc aaaagcaaaa gggagaaaagg 480
 actttaccgt gcctcacngg aaagaatcaa acccnttaca 520

<210> 14437
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-C11

 <400> 14437

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 cgagattant ctactgtga agtcgaagaa cgaaacccta gttcccatgg atctctcttc 120
 acgcttctca tngatcctta tccttctctt gatctccatc tccatagctt cggctgagat 180
 tcgtaaatca gagatccgat ccgatgatcg tccaatcatc ccttttagacg aattcgggttt 240
 cactcacagc ggtcgtcttg agcttgacgc ttccaagatc tggctttcca acagcaatcc 300
 cgatctcgat ctctccaaag tgggcttctt tctctgcact agagacgctt gggttcatgt 360
 gatccaacag cttgaagaag aagagatcac gtgcgctcta caatcagatc tcgttaagca 420
 tgtgttcacc ttcaacaatc tcaagggagg agataagagc agattctcna ccgtattcac 480
 cgaagaacga tgcggatcag tact 504

<210> 14438
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-C12

 <400> 14438

 cgnccttcgtg naatgaaacc tagagagcgt gaggggagag aagaagaagt ctgggaaccg 60
 ggtttggggt tgcnacnctn gttnaagggg taaagannaa ttcacctccg tgaatgaaaa 120
 cctaaagaan gtgagggaga aactgtagaa gtttttcggg tgttgaaatg attgctgggt 180
 ttttaataagg tctcaaaagt tactatgttt tcagatgttc ttaacttgtt atgaaaagta 240
 aaatcgtaa aagttgaata aagtgggtac tttgttttag tcgtgcaaaa aaaaaaaaaa 300
 aanaaanaan nacaaaaaaaa aaaaanaaaa aanacaaaa gcanaaaaaa ncaaat 356

<210> 14439
 <211> 430

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-B10

 <400> 14441

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 ccgancacgc gtccgctaac ctttaacggt tttcccatct tctctactcc tctttctctt 120
 ttctganaaa cccaaaagac aaaaacnaag aanaagatta ggaaatcatc ttgagaaaca 180
 agaggtanca agagaatatg ggggacaaag naaaagtctt tganggtggt ttgaaaaaaa 240
 ctgtggattc ggagaatgtn cccaatggaa aaatTTTTTg agaagccgga gaatttacca 300
 gaaaaaggct tcactacaga aanctgctga tgaaaggctg ggctcctttt tggggcataa 360
 caagctcgaa agagaagaag gaaagcaaat tctgaaant tcntgggttca tgtggaaccc 420
 tccttcttgg gttatggnag ctgctgctat catggctatt gctcctgcta atggangaag 480
 gaaaccacct gantggcaag acttggttgg 510

<210> 14442
 <211> 382
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-G11

 <400> 14442

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 cattactaag tatctccact ccagcagcc tcccatcaac gctctggcct tccccgactt 120
 ctctcaaata tctctcctcc ttgtcatga tgatcagatc agccgaacct cctccttcag 180
 agatcctctc agcgtctccg attctgcttc tccattcct tccagatgcg gcggtatttt 240
 gaaacgggac tggttgctta agcatcgac caaggctcct gcacttgctg ccgccttctt 300
 tccctcacat cacatcttcn gggattcaac tcaaatgggt aacaaggctt gctccgattn 360
 tcgaanagcc tcaaaatccg tt 382

<210> 14443
 <211> 474

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-G12

 <400> 14443

 gngngngnaa ctttaantgn cgggnccggt canagaattn acgggncgag ccacgcgtca 60
 nattcatctc ctccatcggt actttgccac accagatcgg aaaatcccaa tctctcttttc 120
 ctttgTTTTT tttgctatct tcaatcaaaa actctccgac agattcaatg aagcagcaaa 180
 agagataaaaa ccctaacaaa agtaaacaat cggagtTTTta atcttcttct tcttcgganc 240
 cggagtTTTtg tctgatctgt cggagangac gtgtcggcat ctattaaaat cctagctgga 300
 cttccanatc actttactca attagaaact gttttgaggt tacacaaagt tagtnnnaaa 360
 gcttataaaa caatgggaaa cgancgaaag accaagatgc cnatttaaga ctaacaaaac 420
 caaaaatntt tcgggtcaag gaagttcccc ccaaacggg tnacaaaaa ttgg 474

<210> 14444
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-106-Q1-E1-G2

 <400> 14444

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 tctcggaaat gctgctgact ttaacgggga tgttccaagt actagcaacg cttacagtac 180
 catggacaga cgacaaatga tgatagcatt tgacatgaga tgtgttggat tcatgatggc 240
 aaaaatggta cttcaagaat tgatggatcc attaattctt gcgaaattga agtctttcct 300
 ggcaaagggg aatgatcctt cctcgtgctg ggagtttttt gtgacgacgc tcaatacaaa 360
 ctctgaatct ggaaataaccg gagtgc aaat acttgataga aactggg 407

<210> 14445
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-G3

<400> 14445

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 tccttgcccc tttttccaga tcttaagggt ttccacattt tatcatctgg gtccctcctc 120
 taatgatttg aagacactca attcctatct gatcggggac tagaatttgg attctgtttc 180
 agacaaaagt agatttccct gtctctttcc cgtttgattt tcaataagat gaatccggag 240
 gagcaaaaaga tggaatctgc atcggtatct ggcaagctct tcattggcgg gatttcatgg 300
 gacacagatg aagaacgact gcaagagtat tttggcaagt atgggagatt tggttgaagc 360
 tgtgatcatg aagagaccgt actaccggac tgcccgtggc tttgggttat cg 412

<210> 14446

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-H1

<400> 14446

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 agagagaggg aaatgaacgg tggatgatgag gtcgtcgcag cttcggcaga cccatctctg 180
 cctttggaat ggagattctc tcaggtcttc ggtgaacgaa gcgctggtga agaagttcaa 240
 gaagttgata taatctcagc gattgaattt gataattctg ggaaancatc ttgctactgg 300
 ggaccgtgga ggacgtgttg ttcttttcga gaagaaccga tacaanaata gcagttggaa 360
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<210> 14447

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-H10

<400> 14447

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 accaatccgt tgaacgctgt cgtaataagc ttcattcttca tcaatcatca tcacttttctt 120
 ctttctccca cagatccctt cttttctcct tcattcttccc cttcttctctt ttccctcatc 180
 gccaggaac acatccgata tgcacctct tcttctgatt ctcacaatta atatctaggg 240
 tttgcgagga cccccctct ctattcaaaa aaagagagca gattttctct ataatccctt 300
 ttggtttcaa gtggtgtaat tggatcgtgt agctgctttt ataatgacct ctagcacgac 360
 aggagatnga agatggggta ctacaagaaa gaagtgggca tgaactaata tggggaaaag 420
 gttgcnggtt caaaaaccng attaaccttac caag 454

<210> 14448
 <211> 304
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-H11
 <400> 14448

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 ggcacttctt cttgtaagca cattttgggg tatagttttg ttcggagagt atcgaaaatc 120
 gtcgaagcga acttatgccc ttttagtttag catgttggcc atgtttgtgg cggccgtagc 180
 tattcttatg gcctcttccg gtcaccggaa atgatgatct tatcatagtt gtattataca 240
 tgtaagatta taagtgaatg aagaatatat gttctgtttc aaaaaaaaaa annnnnnnnn 300
 nnnt 304

<210> 14449
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-H12
 <400> 14449

tccagtcccc nggnaanggt caaagggntc cggcacgcgt caagctgana gctctcttac 60
 attgaagcta ctttcgaaga tagcattcac tgattggtaa agagttctag aagcgacgag 120

actctcctct cctccgtttg ttatgttcc

389

<210> 14452
<211> 303
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-H4

<400> 14452

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cggacgcgtg ggtaaattac ttctgcaagc tgcagatgct tcattcanaa cattatagct 120
ttaatgggaa ggggtagttt cacatctgtc anaacttaaa atggattctt gttaagtctc 180
tgagtcaatg caatctttgt actgtatcat tttctttatg atcaatgaga gctttatttg 240
ctccaacaat tttagtanan gnggaagcgg tgcccantn gnagccgccg cacntgctgc 300
tgc 303

<210> 14453
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-H7

<400> 14453

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agaaaaggat tgtctatgga gggagacgtc ggaatagggt tggatgcca gaatactatg 120
gatgggaagg cgagtaatgg aaatggttta gagaagactg taccttcttg ttgccttaag 180
gctatggcat gtgtacctga ggatgatgct aagtgtcact cactgttgt ttctgggtgg 240
ttttcggaac ctaccctcg ctctgggaaa aaaggcggca aagcagtcta tttcaacaac 300
cctatgtgaa cagaactttc tcaactttca gtgagtgtgc ttctcctggc cacatagggt 360
tgttgaaata gaactcactg aaagttgaga aagttctgtt caaa 404

<210> 14454
<211> 406
<212> DNA
<213> Arabidopsis thaliana

agactacctt gtatacacia agggacatat gctgatgact gtctcgttga cagagttact 180
cagcataaat gcttcatagt ggctacatgt gatagagact taaagcgaag gattcgaaaag 240
attcctgggtg tgcccatcat gtatgtgact aatcgcaagt actcaataga gaagttgcct 300
gaagctacac ttgggggaac tccaangtac tgattaatta ataagaaacc ttatgaattc 360
catgaanccc tgaanccca agcctgantt gggatatcg 399

<210> 14459
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E1

<400> 14459
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gtcacgctcg aaaattcttc acgttttctt cggaattttc caattgtctt ctccaattct 120
cttgcgatcg ttgaagatct gaaaaattcg aagcgtttga tcatggcttc gtacactccc 180
aagaacattc tcatcaccgg agctgctggg ttcatgtcgt ctcatgtcgc caacagactc 240
atacgaagct atcctgatta caaaatcggt gtgcttgaca agcttgatta ctgttcaa 300
ctcaagaatc tcaatccttc taagcactct ccgaacttca agtttgtcaa angngataac 360
gccaagtgtc gacttgggtg aatcancctt ctcaacaact gaaggggtat 409

<210> 14460
<211> 464
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-E11

<400> 14460
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ncagacgtct gctaaacagc atcaatggcg acttctctct ccgtttctag attcatgtcc 120
tctcgcgcca ccgttatctc cgtcgctaag ccgttacttt cccccaccgt atccttcacc 180
gcgcgcgtct ctttcacacg ctctctcgct cctaattctt ctctcaaatt ccgcaaccgc 240

tcgacgcac tgtctctgtt cttcttccca aatctcgtgc cctcgtcgtc catgttcaat 360
 cttcttgacg tttgattgaa gctattgatt 390

<210> 14463
 <211> 279
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-E3
 <400> 14463

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 gcgaagacct tgactctctc atctccgtca ctaccgacga agatntcgac aacatgacn 120
 aagagtatga ccgtaccatt tccgcttcca attccaccaa accttcgcgt ctccgggtgt 180
 ttctatncac ctccaagcct gaggctactc aatctatggg tcagatcctt gagagctctg 240
 ncaanagcga nnattggntc ctcaacgcac tcaatagng 279

<210> 14464
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-E5
 <400> 14464

atgccataa acattccaaa nnggggttaa canaaatatg cagaactcag gtttggatga 60
 tctatttggt atcacaaaga naaagatgaa gggtgctgtt atgtggcaag atggnanctg 120
 caatctggga gttgattccc aacagctgct tccgtgttgg gctgttaatg ctcatgattt 180
 ttggccctaa aagtttggtg tggaaaagga aacctgcaac agcaannnat ggggagttgt 240
 gaaggntgtc aatgctaagg aacanactgt gaaggtaaca tgnacaatac aggttgagaa 300
 agaagcaaca ngttgtgttg atnaagtgat ggaagaaatt gtcattgcat atgaactgcc 360
 ttagcaanct gaatttggga tccngttcac cnatgtgggt gtg 403

<210> 14465
 <211> 403
 <212> DNA

<400> 14467

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ncccaaacca aaccaccctt caccctaaaa atcgtttcat cttttttcct tcttctaatt 120

tttttttaggt ttttaattaa cttttgcttc aagttttctt ctatagattt cttactcaga 180

aaagtttcga attcgaccct gtagcttagt tgttgtttat aatttcttgt gatcattcac 240

agtacaaaaa aactaattca cccaccgact tcttcttctt cttctcttct ctgtggccca 300

tccttaaacc cacactgctt ttgcttttcc ttttttttcc cgggaaattt gatctcttta 360

cctttcgtca ttattangta gggaatgata ntttagtttt ttttttgtnt cccccaaatc 420

ncaatttttc ccannttctt ccnncaancn tnnaanattt naaaanaag 469

<210> 14468

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-F1

<400> 14468

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cgcgtccggt tcaactaata acgcaaaaat cagtttctct ttgagtaagt gtttattaca 120

attaaactaa ctcaggcaag tctatgatca tggcttcttc tgctgctgca tcgatctcta 180

tgataactct aaggaacctc tctcgcaatc atcaatctca ccaaagcact tttctcggtt 240

tctctagatc cttccataac caaaggatct catctaacag tccaggcttc tccacacgag 300

caagatccac cacttctctc actggagggt tcttcagaac catttgcagc agcagtagca 360

atgactactc caagaccaac taagattcaa gagcttaacg tctacgagtt caacgaaggt 420

gattgaaaca gtccaagccg gtttttataaa ctangggaaa aaaccagntt nagctt 476

<210> 14469

<211> 395

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-F12

<400> 14469

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gtaaaaggag tcaccgtgag gaaatgcctc atcaagaaca ctgacaatgg tgttcgcatc 120

aagacatggc caggatctcc ccccggcacg gcctccaaca ttcttttcga agatatacaca 180

atggacaatg ttagccttcc cgttctcacc gaccaagagt actgtcctta tggccactgc 240

aaagctgggg taccatcgca agtgaagttg tcagacgtga ctatcaaggg cattaagggt 300

acatcagcaa caaaagttgg cttgtgaaac taatgttgcn ancaaaaangg attgccttgc 360

accaatattg ctctctctga catcaacttt ggtcc 395

<210> 14470

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-F4

<400> 14470

ctgaaagcat ctgttggact cttttaaatc agcaagatga gacagttgtc tggaaaaaga 60

ctatcaacac caaatgttat agttcccgga aacctggagt gggcccttct gtgtgtacca 120

aagggcacga tgttgagtct ccttattaca ggccgcttca gatgtgtata ggtggaacac 180

gtagccggag gtggattccc attgaaggca ggacaagatg gcctagccgg tctaacaatga 240

acaagactga actttcatta tatggctctc accccgaggt gcttggagag gatgctgaga 300

actgggaaga taacagtga agaatactgg tctctcntgt ctctctgat antctctgat 360

catccaanga agaccggcg atgaagatcc ntcaccgccc ttataacaat gctcagag 418

<210> 14471

<211> 64

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-F7

<400> 14471

tactttggct nactanaaca tccataaata atctacactt catcttgtgt tgaggcttan 60

agga

64

<210> 14472
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-F8

<400> 14472

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taaattttatt tatttgattt attggaaaaa ataataataa tatgggggatg tcaaaaagta 120
tcaaggttat tgtatctctt gctctcatat tatttttggc ccttgacgca accaagggtg 180
aagccacaag atacataagt tatcgtggta tgaatcatgg agatcatgct atacattgtg 240
acaaagccca ccctaacacc tgcaagaagc aagtagcaaa tccttacagg agaggatgcg 300
gaacaatcga acgttgccgt cgtgatacag gtagaaaatg aatcaaacca aacccaccca 360
agagcataaa ataattgcat caacaccttt ggtaagaat gtgttaacat gtttcc 416

<210> 14473
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-F9

<400> 14473

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acaagagggt tgctctgttt ggagattcga agctgggtcaa tgacagttct ttgattcagc 180
tgactgactc agtgactcga agcgttggtc gaagtcgttt acaagaaacc catcaatctt 240
ttcaaaggta aacagaggaa ttcgagatct ttctctactc acttctcgtt ttcttccatg 300
tccaacgaag attgggtgatg aatgtcntgg cttttgtaat gggntccatc caatttggat 360
cntagttcgt ttngggtaga aaggacaacn anttccccng cttaagg 407

<210> 14474
<211> 425

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-G1
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 aaatctccga tntactacc gattaactca ataatcggn gatngggaga ttggagtctc 120
 tgttcacgga ncagatttca aaatccgagc gacggnccatc gacgacgaat ggggtcaaag 180
 atggagtggg gaagagtatt gcctcatctt caaaccgatc cggtagcaag ataaagcaat 240
 cgaatccgtg gagggagacg gagaggctaa aagagatcac taacggattc cgttgtacng 300
 aacagatnga aggnntaagc gtatcnagtg atacgaagag ctgagatnag cgaagctcat 360
 cacaacagct cgagtctaag aaccctactc cagctcctaa cgaagctctg tttctcctca 420
 acggg 425

<210> 14475
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D9
 <400> 14475
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 ttccgtagag gaaacaacat tcttgtcatg tgcgatgcgt aactcccgc ggggtgaacca 180
 atcccgaact acaaaagaca cgctgagggt aaggctctta gcaaccctga tgttgacgct 240
 gaagtgccat ggtatggtat tgagcaagaa tacactttac tccagaaaga tgtgaagtgg 300
 cctgttggtt ggccatttgg tggttatccc ggccctcagg gaccgtacta ttgcggtatt 360
 ggagcagaca aatcttttgg cagagatggt gttgattctc actacaaggc ctgcttatac 420
 gctgggatta acatttagtg gcatcaatgg gaanaagtca tgccgggggt 470

<210> 14476
 <211> 416

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-B3
 <400> 14476
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 gacagaattg tctcgaaagg aaagctttcg gaaacacaag gacgaaaaat gtttcagcag 240
 ttgattgatg gagtcagcta ttgtcataac aaggtcgttt ttcacaggga tctcaagcta 300
 gagaatgttc ttcttgatgc aaanggtcac attaagatna ctgattttgg ccttantgct 360
 ccgtctcaac attatnaggg aagatggggt gcctacatac aacttgtggg taatcc 416

<210> 14477
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14477
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 taccggaccc aatgcgcttg attagtgaat gaatgggatg gtttgtgttt aaatttggga 180
 agggtaattt tgtcttttgg aatttgagct cgacattgtg gaattattat gatcaagaat 240
 gggtttgttg tgtcgatgca taattaaaat tagttaatga tagttatgag gaaagtcacg 300
 tatgttgctt atctttcttc ttcttgtaa aacaaagcca atcttaatgc ataataaac 360
 cttgggttgt caaaaaaaaaa aaaaaaaaaaagg ggcggccgcc cnaaaaggat cca 413

<210> 14478
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-C10

<400> 14478

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ttacagagag cttggattta gattttggctc tgatgtaatc tccggtgaat cgagaaatag  180
ggttagtttc tgcaacaaaa gctctaaatg gaaagagatc gcgatacggt gctcttcgag  240
atctgtcaaa tgtgaagcca tcgtctccga tgacgcttct ccgtttctca aatccactcc  300
aaaatctaaa tcgctcgaga gtgtaaaatt atttgttggg cttccgttag acacagtttc  360
agactgcaac aatgtgaatc acttgaaagc tattacagct gggcctaaag ctttgaannc  420
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<210> 14479

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-106-Q1-E1-C11

<400> 14479

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cttcttctct tcgtcggatg gaatcttctc cggcttctct ttcgtctccg acgccggtaa  180
ccgattcctc tgctgattct ttagecgaaag atctgcagaa tcaaagtctg ggagctgttg  240
atgaaggtgt taagattaaa aagaagctcg aagattttta ctgggaccat tcctttgtta  300
aggaattgcc tggtgatcct agaaccgatg ttatctcgcg tgaggtatta catgcttgcc  360
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<210> 14480

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-106-Q1-E1-C3

<400> 14480

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 gtgcaaggct caggatgggt gtggctcgga ctagacaaag aactgaagaa gctagttggt 240
 gacacaactg ccaatcagga tccattagtg acaaaaggag gaagcttggg acctctgggt 300
 ggtatagatg tttgggaaca cgcctactac ttgcagtaca aaaatgtnag gcctgaatta 360
 cctgaaagaa tgttatggaa agttgattca actggaaaat aatcca 406

<210> 14481
 <211> 62
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-C5
 <400> 14481

tcatcagcta cgtgtactac gaagttatcg gcaggntggt ctacaaggat tccaggcttc 60
 na 62

<210> 14482
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-106-Q1-E1-C6
 <400> 14482

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 tacgagactt gtctctcaat cctgaagcag actcgattca tecatcagtc aacaaatctt 120
 ccttcacaat ggatgaagaa gaagcaatgt tactgctaaa ggaagaagat gaaggaacaa 180
 gaagaactag tgttcttaca caactcatga aactaaaacg aaccattggg tggattcttg 240
 tctttataag tatcttcttc ctcatctctg cacaagccat tgctgttctt cttggctcgg 300
 tttattacaa cgaaggtgga aacagtaaag ggatctctac tcttgtccaa acttgtgggt 360
 ttccgattct ctatctccct ctttgtttcc ttctgcttc acactcttct tca 413

<210> 14483
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D1

<400> 14483

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gagcgatgat taatgatgta gccgaagcac ccgtgattga caatgtaggc agcccaacca 180
acggactcga cagttcttgg tatgatgcac gagcaacatt ttacgggtgat atccatggtg 240
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agacagcggc attgagcaca gcactcttca acgaanggta tacatgtggg gcntgttanc 360
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<210> 14484
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D10

<400> 14484

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tttctccgcg caatggacgg cgaatctcac aatcgagaat caaaacacga aattgaaagg 180
ctactttgat cgaatccaag gtttagtata ccacaaaac gcggtcggag aagacgaatt 240
tttagcgacg gcgttttttc aaccggtttt cgtggagacc aagaaatcgg ttgtgatcgg 300
agaaactttg accgcgggag ataaagaaca accgaaagtt ccgagttggg ttgttgatga 360
gatgaagaaa gagagagaga ccggaacggg gacgtttaac ctgaaaaagg cgtnttgggt 420
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<210> 14485

<211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D11

 <400> 14485

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 tcaaacttgg tgttctttgt tgctcaatac tccaccaaact tatcaaaact tggatgttct 180
 ttgtagctca attaccaaact taataagttg cattcttctt tgttgcttgt tagccttttc 240
 atcgagtttc gtttctgcga tactattttg tttaggatag tatggctgaa aaggaagtgg 300
 tttctgcctc aacttttagaa tctaagatca ctgangatna tcatgacatc tggattccga 360
 ggaacgatgg aaaaganccc gtcctccaa caatcagtg 399

<210> 14486
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D12

 <400> 14486

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 tataaattta tttatttgat ttattggaaa aaataataat aatatgggga tgtcaaaaag 180
 tatcaagggtt attgtatctc ttgtctcat attatttttg gcccttgag caaccaaggt 240
 tgaagccaca agatacataa gttatcgtgg tatgaatcat ggagatcatg ctatacattg 300
 tgacaaagcc caccctaaca cctgcaagaa gcaagtagca aatccttaca ggagaggatg 360
 cggaacaatc gaacgttgcc gtcgtgatac angtagaaaa atgaatcaac caaaccaccc 420
 caagaagcat aaaattattg catcaacacc tttggttaag a 461

<210> 14487
 <211> 411
 <212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: LIB25-106-Q1-E1-D2
 <400> 14487
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 agagaaaagca tttgttccaa gagtttgcac atttggggga aaagcatttg ccacatatgt 180
 gcaagctaag agaattgtta aatttatcac agatgttgcg tctacaatta accatgatcc 240
 agaaataggt gacctcctta aggttatctt tgttcctgat tacaatgtca gtgttgctga 300
 attgctcatt ccagcaagtg agctttctca gcacatcagt actgctggga tggaagctag 360
 tgggacaagc aacatgaaat tttcgatgaa cggttgcgtt ttgattggaa c 411

<210> 14488
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D3
 <400> 14488
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 tgtttataat cgctttcaga gaagagatgt atacggtgcg tgggagcagt atcttgggtt 180
 ggagcacatt gataatgctc ctaaaagggc ttatgctgca aatcagaacc gacacgcata 240
 cgagaagccg gtgaaaatat acaattagga gagagacatg gctatgcatg taggaatcaa 300
 ggggtgggtgt tttggtgcga ggggtangatg tanagagact caattttaga tttgataaac 360
 taaaatggat aatatatcct tttcaagggt aagggttttg atttttggcc c 411

<210> 14489
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-106-Q1-E1-D4
 <400> 14489

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 atctcactca cgcgcgtctt cagcatctaa tcgaacgcgc cgcttcacgc cttgtctccg 180
 acgctggaat caaaccggc gatgtcgttg ctctcacctt ccctaacacc gtcgagtttg 240
 ttataatgtt tttagcgggtg ataagagcta gagccacggc ggcgccgttg aacgcagcgt 300
 acacggcgga ggaatttgag ttttacctct cggattcaga ttcaaagcta ttgttaacct 360
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<210> 14490
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D5
 <400> 14490

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 catcaccaag agcttccgcc cagattatat actcggagaa ggtggtttcg gtaccgtcta 180
 caagggttac attgatgaca atctccgcgt cggcctcaag tctctccctg ttgccgtcaa 240
 ggctcttaac aaggagggac tccaggggtca ccgtgaatgg cttacagagg tcaacttcct 300
 cggccaactc cgtcatccca acctcgtcaa gcttattggg ttactgctgc gaggacnatt 360
 accgattact tgtttatgag ttcattgctgc gaggca 396

<210> 14491
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-D6
 <400> 14491

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 tttttttgtt ttcgttttca aaaacaaaat ctttgaattt tatggcaacc cgtcttctcc 120

gaacaaactt tatccggcga tcttaccgtt taccgcttt tagcccggtg ggtcctccca 180
 ccgtgactgc ttccaccgcc gtcgtcacgg anattctctc ctttggacaa natgcaccgg 240
 aaccacctct tcaccacnca agaagccacc gagcaatctc acgatggtct cgatctctcc 300
 gatcaagccc gtcttttctc ctctatccca acctctggat ctctccgttc caagcgccgt 360
 tgttgcatgc gggnggcnat aggtcctatg ggtcgaacct agggaa 406

<210> 14492
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-B2

<400> 14492
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 ccctaatttt gatcgtctaa atttcataca tgggtgcgaa cgagtctcgt ttcttctct 120
 cctgcgatat caattcgccg gtcacttttc gtatcgagaa gcttgatgga aacctccccg 180
 tcaagaaatc gtctgattcg ggagttgtct ccacgcaga ggagaaaaaa ccagagcttt 240
 acattgagtg tgcattgtac attgatggag ctcttttgg ctttcccatg agaacaagat 300
 tgaaaactac aggaccacca tactgctgga acgaaactca tcactctcaa gttctaaata 360
 ncggggactt gactgcccac tcacaacttg cgattacaag tatgggatgt ttcgtgtgg 419

<210> 14493
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-G4

<400> 14493
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 tgataaacia tacattgatg tgagattcac tgggtagtga atatcagtcg tctcgttcaa 120
 tgattacggt caatgttaca gaagagtttc atcaatggcg gattttttgt cttgtagcgg 180
 gattgattgt gattttgtta gcacctgttg ttagcagttg gctaccgttt tactatacga 240

gttctatggc ggttggtggt tttctcggtg ttttgattat tatcttccag gttatgaggt 300
tattacctac tgggaggaag aatggtatgt atcttgcgtt ttatggatct gttgttggtg 360
ctggatcttt cattctacat caattctcaa tgatggtgaa tatgattcct gntaattttg 420
ggttgaatta ngatatgtnt aatccggtaa ccaaacctgt gcctgttggg gngggtaata 480
acgggaccgc cttttgg 497

<210> 14494
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G6

<400> 14494
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acgcgtcnaa gcaagtcttg gttggaggaa gtgcttgtct ctggtcttca ctccagcaat 120
tcttgttaca ctggctacta tgtcgtgata tgtggctatg atgctgttag ggatgagttc 180
gagatcanag atcccgccag ttccaagtaa tgttttgtta tatctcattg cttcaatact 240
tacaaatcgg tgctctacag cattttcttg gaaatgttat atctggttgc catgttcac 300
gatcagcaat acacattgaa actgtttagt aatgagttaa aatctaaaca taatgggaag 360
agagatttag gttggtttat actaagatat tccatctttt anatgcnagt tctcantact 420
atttaagaan agagtttcgc taagtnagaa agaacacntn tgcacatcc tggaactant 480
aanaaatgat ananaaatgt tt 502

<210> 14495
<211> 270
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-G7

<400> 14495
antagtttcc cgtttaacat gattcttgct tttgatagtc caagaatata aagcatacca 60
aggtttcaga ctatcaccat tcccctgatg ttaactctgt tttaggttca gtatagggga 120

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-H5
 <400> 14498

cttctcaang tggtttatat ttgcagcttt ctcatacttt gagtcataaa atacaagttg 60
 gaagcagtgt gccgataaat ctcccgatta ttaatgaact cttcaatagc gctcaagcta 120
 tgcacatacc tcattcttgt cctttggcta agattggggc tccggttggg agatattcac 180
 ctcttgaggt tgtttctgtc cgtgttcttc ttttacatct ctctaatttc caaggcagtg 240
 actggtcgga tctctctggc aaagggttacg ctatcatggt cctgattctc ccaaccgatg 300
 gtgcaagaaa atggagagac catgagttag agcttgtaga aaacgtggcg ggatnangtg 360
 gctgtggctc tctcacatgc tgcaattttg ggagaatcca tgcangctcg ttaacaacnt 420
 nttngnncan aanttt 436

<210> 14499
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-H7
 <400> 14499

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 gcgtcentga atagcttatt anaggaggct aagaagcttg aagagcataa aggaatggat 120
 tctggaaaca atgagataga tacgctaaag caacagatcg aagatttaga ttgggagtta 180
 gactcttaca agaaaaagaa cgaagaacaa gagatactat tagatgagct tactcaggaa 240
 tatgagtcct tgaaagagga aaattacaaa aacgtttcct caaaattaga gcagcaagaa 300
 tgctcaaattg cagaagacga atacttggat tccaaggata ttatagacga attgaaatct 360
 cagatagaga tattggaagg caaactgaag cagcaatcgt tggagtattc tgagtgcttg 420
 attacagtta atgaacttga gagtcangtg aaagagttna agaaagaact ggaggattng 480
 nacaagnntn tgatnaaaat tnca 504

<210> 14500
 <211> 374
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-H9

 <400> 14500

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 tcaatgaaga gtgtgcaaaa attggaaggc cagggaaatgc agaaacatgt atttgaaagc 120
 tgaactcaat tgctctacac caccctctca gatcctttgt ccctttgggc ccttggtctc 180
 cctcatccct tatgtggaca cccatcttct aaaccctgc ttccacacct tncanccttc 240
 ctncacaat gctngaaaat ngagaagagc tcttggttcc gttaaaggcct acaagaggag 300
 gtgaaagaat cagttgagga agagacagaa gtggacncan aggcacaggg aaacgcaatt 360
 gcacagaann gaag 374

<210> 14501
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-A1

 <400> 14501

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 aaatctaaat tcgagaggan aantttcaan ttttctgagt tagattcatt ggaagagatc 120
 acggaaggag ttaacaacat gaacttggct gttgacacc aganagaaga atcggattca 180
 agtttccanc actaagaaac cattgttctt ctacgtcaat ctgcgaaga ggtacatgca 240
 gcagtacact gatgtcgaat tgtctgcact aggaatggct attgccactg ttgttacggc 300
 cgctgagata ttgaagaaca atggccttgc tgttgaaaag aagatcatga catcnactgt 360
 ggatatcagg gatgagtcaa gggggcntcc tgtgcnnaaa gccagantgn attngnctgg 420
 cnaatcc 427

<210> 14502
 <211> 449

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 tcatgaagtt cgatagccaa acttctgagc atagtgatcc accttgcaact gaagatgttg 240
 ttattgaagc ttcattctgat cctcctcgag gagacaatgg ttcgtcatcc gaggatgtca 300
 cgatgggact tcagaatatg cttgttggtc gggaanggaa atgacactcc cnggttgttg 360
 acgtttgatc tcagatgcaa ctgagctggt agtatttcca tctcc 405

<210> 14507
 <211> 87
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-B4
 <400> 14507

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 tcacttcgtg gcttgatctt ttgggta 87

<210> 14508
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-B5
 <400> 14508

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 ctataggaca acgttttttt acacattgag gctaaaagag agatggctga tgatcagagt 180
 tcaagtactg accgtctcgt gaaacctgaa agtttaaact cagatagagg atncaatcaa 240
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 caaatctatg gatggtaaga aaaccganga agaagagaca acgggacaaa cgcatgttg 360
 ntgatgaaga aggaaacgct canccaatcc ggtnaaagg gcgtanatgg ccaagangga 420
 ggattccgtt aaaaaacccc naatncccc tggntctgng taggggaca 469

<210> 14509

<211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-G3

 <400> 14509

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 ggccggttatg gagaagccac cgcagctgac agaggataca ttaagtacaa agatcctaaa 180
 gtagcggctcg aagaaagagt agaagacttg ctgatacgta tgacgttacc ggagaaactt 240
 ggtcaaagtgt gtcaaattga tcggttcaac ttctcacaag ttaccggtgg tgtggccact 300
 gttgtgccag aaatcttcac aaagtacatg atcggaagtg ttttgagcaa tccgtntgat 360
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 cnacgaggnc 430

<210> 14510
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-E11

 <400> 14510

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 agggggttttt caaaaaattc tttaaggaaa aatctgatga caagaaagac attgtcaagg 120
 ttgatgacgg gaatgaaagt gaggggtgatg aatctccaga attttctctt ttcaaaagat 180
 tattccgtat acatcccgaa gatgcaaaac ctacttcaga aaatgaaaat agcagcaatg 240
 gcttagttga aagcagtcct gggacagaaa actttttccg caagttgttc agagatcgtg 300
 accaatctgt tgaagattct gaactgtttg gattaaagaa acccaaggga gaancggcca 360
 ggctcaccta aacagcggga tgatactcca tctggtaa 398

<210> 14511
 <211> 498
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-102-Q1-E1-E2

<400> 14511

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atcatgagga agtttcactt ggaaacctga ggagatttgg tttcaggag cttcagattg 180
cgaccaataa cttcagcagt aagaacttat tggggaaagg tggctatgga aatgtataca 240
aaggaatact tggagatagt acagtgggtg cagtgaaaag gcttaaagat ggaggagcat 300
tgggaggaga gattcagttt cagacagaag ttgaaatgat cagtttagct gttcatcgaa 360
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aaatgtccaa tggaancgtt gcattctnaa ttaaagccaa ancngttcct taacggggcn 480
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<210> 14512

<211> 492

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-102-Q1-E1-E4

<400> 14512

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tcttcttctt ctaggggttc gaatacttat gggaaccgcc agttctctga taaccgag 180
actggatccg gcggcggagt taatgaatcc tttcagagaa gatccgatgc accgcacaaa 240
cgaaacaatg aaaaagacga atcaaacat aaagacgaag atcctgctga cgtttcattg 300
attgtaggaa cttgttcttc tatgtgccca gagagggaaa gagtcacaag agaacgcctg 360
cgtgatcttg cagtgtttga gangctttat ggaaaccct caaatcatc cacaagagat 420
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acngcccaaa tt 492
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<210> 14513
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-E6

<400> 14513
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 tcgataagaa gatagtggaa actggtgaag atatcgtttt ctttggcaat aagagtactt 180
 catggtcttg aaattctagt aaagggaact ccgggtcgaa aataaaggaa ccaaatgaga 240
 ttcatcggct tgttgaaaac tctggaaagc atgacagcta taagggtagc attcttttaa 300
 gatctgaaga tgctgtagat acctcagcga actggagaga gtgttctggt aagactcttt 360
 ttcaatcttc gagaggggat gcgtcaaaca gttacaatct ggtagcagc tcggacaaga 420
 gagagggaaa gaagaaggca gacattantg atgtnaaggt ggcaatcaag gaacaagana 480
 atnangtggc aaganctt 498

<210> 14514
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-E8

<400> 14514
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 atgaggcggg attggatcag gtggaanaag agttctctat ttggaaaagg aacacacctt 180
 ttctcnacga tcttatgata tctcaccac tagaatggcc ttctcttact ctccactggg 240
 ttctctcgac gccgattccg tactcnaaag atccttactt tgccgtccat aancttatcc 300
 ttgggactca tacctccggt ggtgcccant attttcta atgtcgccgat gtcgttatcc 360
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6647330 "the sequence"

nnantccanc aaggggnnnt tcnt 444

<210> 14519
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F6

<400> 14519

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ttttctcttt ccaaactg ttctacacgt agtcggaaat ctcggaaaaa ccaatctccg 180
agtcagagag agagagagag gcgttactg ttgtaaagga ttaagctttg ggtaagaaga 240
agatgaagaa caagaccaat ttaggtctct cagtcttctt cttctttata tgtctcgttt 300
ccgtgacatc agatctagaa gctgatcgac gagctctaata cgcacttcgt gacggtgttc 360
atgggcgtcc attgctgtgg aatctaacag caccaccgtg tacttgggga agaatccaat 420
gtgagtcngg tcntgtcana acactccgat tancgggtgt ggggtttacg ggtccaatta 480
caatcnccan ccggaacct 500

<210> 14520
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-F7

<400> 14520

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ngaaagggtt aatttattaa tanaaaanna taaaaagaag cagagaagag ataatgcang 120
gtggtaggct tttgacgggtg ttggtgtgcc tcgcctccan ggtggcggtg gtganecngc 180
gtgaccctta cttctactac acgtggaacg taacctacgg aaccgccgcg cctctcgaa 240
ttctcaaca ggtgattctc atcaacggac agttccctgg tctaaccta aactcaanct 300
ccaacagcaa tgctgcatc aatgtcttca acaanctcga cgagcctttc ctcttgacct 360

gnaatggatc cancacaagg aagaactcaa ggcaanaatg gggttaccgg gaacccnang 420
 nccaatncca ncc 433

<210> 14521
 <211> 287
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-F8
 <400> 14521

naagtctcta aattnagtcg antcatttcc tttgtcttca atccanagct ttcctcttct 60
 tggaaccaat ctgctctctt ttttattctg antttgacaa tggcggttgg tgaggatcatg 120
 aggatggaga ttcnegccgg tgganatttg actgttacta ctccggagtt gcntgttctt 180
 gccgtcgatg atattattgt ggatcgtaag agtcatcgag aggttgctta gaatctcttc 240
 ntgtaaagtn acnactgtag agagtgganc tagggctttg nagtatc 287

<210> 14522
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-G10
 <400> 14522

tttgtnaatt anaaaaacta atgatgctaa taaccaaact caagagttga taaaggaagt 60
 cacgttttga gattctgtcn atagtgtttc gctggaggcg ttgaancagc cctctttaac 120
 agctcacttc gtttcanatt cctaanttcn tctcaatctt cttcttactt aacttactat 180
 ataagtctct gtttctctct gacaaaaata ttccaccacn taaaaagatg gntcaattct 240
 tagtagaagg caacttcggc tctcaagcga anncaaagaa tccgttacaa gcaccgctga 300
 atccgtcagc gcttcnncna ctgatgctga naaaaccggt aancaaagcg ccaaggagca 360
 ctznaactga cgccgagaca ancgttg 387

<210> 14523
 <211> 457
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-102-Q1-E1-G11

<400> 14523

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tcatantagg cggtacggac gccaaggaca ttctcggggtt gccgaagact ccactgtctt 120
taactcagga gaagaaatct cgaccccaga aagagtccca tagaaaaccc gatggcattt 180
ctcgcgaggt ttatgcgctt accggggggcg ttgcacctct tatgccttca attgatttaa 240
agcgccgtcc tcttcgagat gagaagggtt cttggaaatg gctttccttc acaaattctg 300
ctaggaaaaga tgatttgcag ctttaccatt gggtttagagt ggttaatgat gttccaccaa 360
caggtgacta ttcttttgcc aaatataaca agtcagttna taattttgaa ntacacagac 420
gaaggagtat gaagaatcat tttaacggat tctgtgt 457
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<210> 14524

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-102-Q1-E1-E10

<400> 14524

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nncnacngct cngganttca aacgatcaac aaacattttt atcataatca taatcagaaa 120
aaagtgttaa actttctcgt gagtttatat actctgctaa caatgctgtt tataatgggt 180
tttggttggt tcttaagttt ctgtttaaat ttcggtattc tctatctgga tcgttggtgt 240
tagcttctca acatctaaaa agatggattc ttcttactcc ttgccttggt ggacaagtag 300
ttctattttg ccaaaactca gtttcaggaa tgtagagaac agattttatg gtgagaagaa 360
caacaacaat ggtttgtgta aacgttttgg atcagatttg ggctccaaga anttaaggaa 420
tcaaaagttc aagcacggtg ttgtttacgc tgttgccact t 461
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<210> 14525

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-102-Q1-E1-C10

<400> 14525

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agtcgtatta aatcgTTTTT tttttttttt gccaggcttc tctcactctc cttegccgcg   120
gaatcgcttc tcggagccgc gaaaggactc ttaggggttaa agattcttcc ccaaattctc   180
ttctctcttc ctcagctgat ttcgactccg atcaattttc taggtgtttg aaggcatttg   240
aaaggatggg agacaatggc aaagatgaaa ttatgggtcga ggcattctca tgcgctgggtg   300
ctatggttga gataaagata aagacgttgg attctcaaac gtacacctta cgtgtagata   360
aatgtgtccc tgttcccgcg ttgaaggaac aagttgcctc cgttacgggn gtcgttacgg   420
aacaacaacg cttgatatgt cntggaaaag ttatg                                     455

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<210> 14526

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-102-Q1-E1-C11

<400> 14526

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tctttcttgt atgcctattt acttatttct tcttccaaaa gaaacctcaa ggtcagccta   180
ttctcaagaa ctggccgttc ctcaggatgc ttccaggaat gctccaccaa atccctcgta   240
tctacgactg gaccgtcgag gtgcttgagg cgaccaatct aactttttat ttcaaagggc   300
catggcttag tggaacggac atgttggttc ccgccgatcc aaggaatatt catcacatac   360
taagctcaaa ctttggaat taccctaaag gacctgagtt caagaagatt cttgaagggt   420
ttgggagaag gaatcttaac cgttgatttt gagttgtggg a                                     461

```

<210> 14527

<211> 58

<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-C12
 <400> 14527
 ggncttctaa gcggaagctt cagtgactca ggccttgatc atatctctgt gtgactgg 58
 <210> 14528
 <211> 92
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-C2
 <400> 14528
 tgggtaatna gttgaaaacn gcttttctctg ctctgccgcc ggtacctcnt gagaangctc 60
 ttcgtgctgc aataactcaaa gctcaatatg ca 92
 <210> 14529
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-C3
 <400> 14529
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 ngatttgant tagctccaat ggtaattcaa ctcatgacag agaggaacat tcacctgcgg 120
 ggtttggcac atcccatgct atttaagaat ctccaagact cattagtcga cacgaagatg 180
 tttgacaaat ataagataat ggggtggagtt ccagtctccc atttcaatat ctacaaacta 240
 ctgcgtgaaa aggetcatgt gcttctgtat cctggaggtg tccgtgaagc tttgcataga 300
 aaagggtgaag aatacaagct gttttggcca gaacgggtccg agtttgtgag agttgcatct 360
 aaatttggag ccaaaattgt tccttttgggt gttgttggaa aagacnatat ctgcnaaatt 420
 gtcctggant ccaaagatta aggnanatnc ctanccccaa agggntttan taaaaagggg 480
 cccangggac cctggcaaca taggga 506

<210> 14530
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-C4

 <400> 14530

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 aaacgtcata tggtttaagc tctcaaattt ctcttcgat tccatcttcc tccggcttca 120
 agtcgccgga tcttcttgat ttccgattca cttggctttc ctcttctctt ctttttaaca 180
 cacgacgacg cttcatagtt ttttgttgtg attcaggaag aggtatgtaa ttcaggattt 240
 tccggtgatt ttggtgggaa cgtttggaga aatttcgagc ttagtagtat tcgtaggaaa 300
 gttttcttct tttatgattt gtagtttttg tggattaatg gttgaagggtg agaaatgggg 360
 cttcgatgga tttgaaaaga ttttgtatct tcgtggaaat gaaatcgttg gagaatgcan 420
 caagtcatcc caatcntaat cacagggttt gcntaagnac nttgngana ttgagaaatt 480
 tngggggggtt aaacctnaga aa 502

<210> 14531
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-C5

 <400> 14531

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 cnagcaatgg gctcttcttc tccattaaca aggagaaaca gagcaccacc atcctctggt 120
 tctctgtttt atctaattct tctctgtttc ttctctact ttttaaattt ctcaaacgct 180
 caatcatcgc cggttttcgc ctgcgacgta gctgcaaacc cttctctcgc cgcctatggt 240
 ttctgcaaca ccgttttgaa gatcgaatac cgagtcgctg atctggtcgc gaggtcacg 300
 ttgcaagaaa agatcggggtt tttagtgagt aaagctaacg gcgtgactcg tcttgggatt 360
 ccaacgtatg aatggtggtc tgaagcactt cacgngttt cttaaactng ncccggngang 420
 caatttttnc anccaatttt cngggngnt 449

<210> 14532
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-C6

 <400> 14532

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 cccggggccga cccacgcgtc catataagca gccttgggtc ttttccaagg tttttgtttt 120
 agccatggct aaacctccgt cctttggctg ctgcttcttc ctcttattct tctccttctt 180
 atcttcttcc tttgtctcat ttgccctaac cgatacagaa gctgccttca ttgtgcagcg 240
 acaactttta acgttaccag acaacgacgc tcgagtctga gttcgatcat aaggctcaga 300
 tctctgaacc ggagttagct gcggagcacg aggaagtga ggagaacaag attactctgc 360
 tagaggagct tcaagaaaag accgaggaag atgangagaa caagcctagt gtcattccaaa 420
 agcttcaacg attcaacagc tcctcctccc ccttcancca atnaanaaag gttanggaaa 480
 nnaagggaag naanaanaaa tttttttaag ggaanggaaa 520

<210> 14533
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-C8

 <400> 14533

 gncgnnncaa gcgtctannc anacttcttg gggtttttgtg ttcttcgata ttatctctta 60
 ttactattag gctattatna tcnctttatt ggggaaaaag cttcaaactt ttatataaag 120
 tctcttctct tttctttctt tctcgggtgga atttgcagca atggaanata aaccattagg 180
 gattctcagg gttcatgtna aaagagggat taatcttgct attcgtgatg ccaccaccag 240
 tgatccttat gttgttatca cattgnctaa tcataanntg aagacgcntg tgattaataa 300
 taactgtaat ccaactgtgga acgaacaact gancctttcc atcaaanatg ttaatgattc 360
 naaccgtccg acagtgtttg gaaaagaaaa aattcccga aaanacaaaa ttggg 415

<210> 14536
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-D4

<400> 14536

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gtccggaaaa ctttctctct aaacttcttc gaaaatctca cagagcttct tcttcttcgc 120
ttttaggggt tttgctctat tgtttcgagt gacccaactt cgaagcttat agatcgttac 180
cttagaaaat ggtgggtatg tcgatgcagc catatggtag tcaatcgatg cttaaagaag 240
gttacaggca tctctctggg ctgcaggaag ccgtcattaa gaacattgaa gcttgcaagg 300
agctctccac cattactcgc acctctctcg gtcccaatgg aatgaataaa atgggttatca 360
atcatttggg caaactgttt gtcacaaatg acgctgctac tatagtgaat gagctccaag 420
attcaacaac cgggtgctaa aacttctggg gtttaactgn naaaggncaa accannaaaa 480
attcgngaa anggnnct 498
  
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<210> 14537
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-D7

<400> 14537

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gtacaattga tcttcactat agtcgttcag aatctgatct gcttatagaa atattcagaa 180
gtgtgagata gctgctaatt ggtctttact ttgttttttt ctcttgcttc acatcagaaa 240
atthagatc ttagagcttt tcatagtga cttagaacg cttttcgaat tagtcagtct 300
tagctctatt ttgtctgtgt gtgtattttc tggacacgag acctttgttt caatttctat 360
aagtgatttc gggttacatt ttaaaagctt gatttaatcc cattgaaata aataatcaan 420
  
```


aaactttggg aattacccta aaggacctga gttcaagaag atctttgatg ttttgggaaa 420
aagatcttaa acgttgnttt ganttttggg aagngatttn ggaattcant cacncnatat 480
ccaaantcaa nt 492

<210> 14540
<211> 105
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-C1
<400> 14540

atcaccganc tancctaccg gagagtttcc cggagactac ggggtgggaca ccgctggact 60
ttcacctgat ntcgagacat tcccaaggga acgtnagctn taatt 105

<210> 14541
<211> 489
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-G3
<400> 14541

aattttatac tgnccnctc aggcenag ncnegtang tcttncagn cctctaanag 60
tgagtcgtat taactcttta gctgtttata tttagagttg agactaattc ggcgttgccg 120
accaacctaa cttcggttct acttcacaca caaaactcgt gtcgtctctt gttanaaang 180
gtctctttgt ttcagtgtct ttggtctcgt gtttgtgtag agatggagaa caagaccgat 240
aatggaaacg aggatgggcc aataatacat agccaagttg agaagataaa gaaagagttt 300
gagaatataa gacaaccgtc gctgcagcaa ccggagatga agagggttct tagcgagatc 360
aaaaggcgtc aacgttcacg ttctcctctt ggtttanggg agagatntat ttccgttggg 420
aaatgnttca tgtttgncc taaannncaa agaaaantgg ttgcaaaagn ngagggtaaa 480
ggngggtttt 489

<210> 14542
<211> 414

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-G5

 <400> 14542

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 tatcataatt ccanatttcg caaactaatt ttttcacttt cttcttcggt gatctctctg 120
 aaagcttctc ttcttcttct caccatgtct gggtatcctc catcaagcca aggttacngt 180
 tacggcggta atctaccacc tcctcagcca ccgtacggat caaccggcna tannctcct 240
 ccgtacggat catccggcag caatcctcct cctccgtacg gatcatcagc ctctcaccg 300
 tacgcagttc cctacggagc tgateccgct ccttatgggt cagcatcgtc atcacggtac 360
 gcgtctcttc cangaggacc atattaagcc gcatnangga anaaantca agng 414

<210> 14543
 <211> 219
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-G6

 <400> 14543

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 aagaactacn ggatctgggt gcgttatcan agccgaactg ggtaccacaa catgtacaag 120
 gagtaccgtg acacaacact caatggtgga atggancaaa tgttcactga aaatggntc 180
 cccttaaaaa attgggggtc ccttgcatcc cnnttnanc 219

<210> 14544
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-G7

 <400> 14544

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acgcgtcaag agcttctctc tgaaaangtc acttcctctg acccttttat ctaagctcaa 120
cgctgcaact ctgcgcgtcg gttacttccc cattttcctt ccttcttccg attcaaagac 180
tcaattttta ttctccggcg ttgaggatc atctcctaaa aatctctgct ttatcttttg 240
at ttgagctg atttgagag gagaagaaga tagatagata ggtaattcgg attgatatct 300
cgaaaaatgg ctgagattca gcatcagggt caaaatgcc aatgggtgt agctgttccc 360
ggtgctgctg cggtgaagc tgcggcggct gcggctggag ctgcggcggc ggctgccgga 420
gctgcgcaac aagggacgac gtctttanan gtcggtgatn tggaatccaa cgttaaaggg 480
nccaaanttt tntg 494

<210> 14545
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-H3
<400> 14545

gcacgnccca nncactcgca aggnegaccc aggcgctcna ttctcnaa nnattaagtc 60
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tactgtttc tgggttttgt aatttgatgg tgatggatga taaagataaa tatcgcgaa 180
tagtagaaca ttggtcttgc gaaggatctt ctccagctct aatgggttga gattctactg 240
agataacaga aatgctatca ccgagccaac atcaacgatg gcnaggcctt gtgttagata 300
tacaatcgag agaagctcat ggcgatttct tgagaagcaa atgggttcctt aattcatagc 360
ccggtttcca aaagggttcaa gttttctcca atgtccaacc ctaaaactgg ganacntggt 420
ggntnnatga gtcccttccc ggccaanaac nnnna 455

<210> 14546
<211> 131
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-H4
<400> 14546

tcggnnttcnt tcaattcatt catgaacagt tacctcctcg ttttcgtatt gctgatggct 60
 ggggattggc ttcagggctn ttatgtgtan tancctttaca gcacttatgg ttttggaat 120
 ggagatnttg g 131

<210> 14547
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-H5
 <400> 14547

gcncnanncg ntcgactcag gtcngggncg cgngggncga nacangcctc taaaatnagg 60
 cntnagggtca aacagaaata acgacctaaa gctatgttta aagcttagca gttctccaca 120
 tatatttcaa tatataaaaa gattaccctt ttttaaaaaa taaaatagat atttgttttc 180
 cgtaaaagaa aggggtaatc aaataaaatg gagacggcta ggcttttcaa attagtgtgt 240
 gtgatatgta ttgccagttt gattccgacc atacgagcca atggttgctga tgagaccgat 300
 gagtattggg taaacaaggc caatgaagct cgtaaacata cccttatggc ttatcatccc 360
 gacccttatg agatcgtcga ccacttccac gagcgtcatt acgacaactc gactgacgtc 420
 naagggaacg angaanaaaa agnggggtccc tttcnaagga aaaggaattc ntttnaaana 480
 t 481

<210> 14548
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-H7
 <400> 14548

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 ttcgagaaag ttgttaacag tagcaaatta ctggatgcct gtcgcacagt tgatcctctg 180
 aaggagtgtt gtaggccaat ttgccaacct gcaattatgg aagctgcgct aattatttcg 240

ggacaccaaa tgacagttgg tgataagatc ccttttagcag gatcaaataa cgtcaacgca 300
 attaacgact gcaanaatgt ggtgttttca tatctttcca ggaagcttcc cgcagacaaa 360
 gcaaacgctg catttagaat tttatcgtcc tgcaaagtta acaaagcttg cccgttggga 420
 ttttaagggnc ccaanggaan tnnttaaggg tngccntaag gt 462

<210> 14549
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-H8
 <400> 14549

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 gctgggctga nggaa 75

<210> 14550
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-A1
 <400> 14550

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 aagcgtcnaa aaacacaagc gtanaaaaca aaactcaact aattgtgtta tcacccaaaa 120
 gagaagagca aacacaatgg ctttcgcttt gaggttcttc acatgctttg ttttgacagt 180
 gttcatcggt gcacagtggt atgcagcaat aacatgtggc acagtggcaa gtagcttgag 240
 tccatgtcta ggctacctat caaaggggtg ggtggtgcca cctccgtgct gtgcaggagt 300
 caaaaagttg aacggtatgg ctcaaaccac acccgaccgc caacaagcat gcagatgctt 360
 acagtccgct gcaaaagggg ttaatccaag tctagcctct ggccttctg gaaagtgcgg 420
 tgtttagcat ccctatccca tctccacgag caccaantgg gccaacatcn natnaattgg 480
 ggaaaaaacac aanncttttc ccnaaaaatt tgggnntt 517

<210> 14551

atctccttac catgaccatc acttctccac caatctccct tgcaaaaact cctccgaagt 240
aaccaccgaa gattttgtct tttccggtct aaaaactgcc ggaaacttca cggagacggg 300
gttcgccacc gtcccagtag gccagaaaaa ctccccggc cttaatacat tangcatctc 360
gtttgtccgg gctgatttca aaaccggatt caataaacca ncacattntc attcgcgggg 420
nnaaangaat ttcccnatt gggtaaaggg gaggggtnaa cccgggggtt ggggacccca 480
aaaaatangg ttaccccaaa gttgatggaa 510

<210> 14554
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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66733-14562

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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 aagaacattg tagaagaagt agttggtaag agagacgagt ctgagatagc tgaagcgggtg 180
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 gtgttcgcag atgatttgac accaatccca gagggcaaac cccaagtggg gcagtgggtc 180

aataccacg ttgggtccatt ggctcaacgt aaaggcttag atcctgctct cgtanctgct 240
gaggctgctc cacgtatcat caacgtgaat ccaaaggag gtgaattcaa aacactaaca 300
gacgcaataa agagcgttcc cgcagggaac acaaagcggg tgatcataaa gatgggtcat 360
ggtgagtaca gagagaaggt cactatcgac aggaacaaac ccttcattac attgatggga 420
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14572

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caagaagatt tcttgtgttt tttttttttt ctgttaaaga agatttcttg ggagaaaata 180
aggtggattg aaggattagt ctttaggaat ggtgggtggag gaggagaata gaagcatgga 240
ggaaggactt cttcagcatc aaaacgacag agatgatcgt cgtatcacag cttgtgtcat 300
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<210> 14573
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14573

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aaatgggaga agtttcagtg gtggagaaca agaaagtgat actaaagaat tatgtagatg 180
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<210> 14574
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tagggttgtg aatttggtatg agtacaatgg gaagctacga tctcttgga tacttggttaa 240
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 aggactagaa gaaaagaagg ccagcgctga agaaaaagca gctcttatat accagaanaa 420
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-C10
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<210> 14582
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 14583
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tttgtagag ctgatctcaa tgtacctctc gatgacaacc angaatatca ctgacgacac 420
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<210> 14584
<211> 494
<212> DNA
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<400> 14584

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gccatctgct ttccagcaaa catttgctgg taatagtgc taccaccagc aactanctgc 420
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<211> 477
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<213> Arabidopsis thaliana
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<400> 14585

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312

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<212> DNA
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<223> Clone ID: LIB25-099-Q1-E1-A2

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gggtcctgct ctggctctta tcaacccttc tctcgtctta atcaccggtg atctcacaga 360
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<211> 209
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<210> 14594
<211> 353
<212> DNA
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<223> unsure at all n locations
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tggggttaag atatgtacat ggacaaagtc acaacttaga ggcaggggag gttgctacaa 180
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<210> 14595

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-099-Q1-E1-A8

<400> 14595

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 gtactatctt caaagaggag cctttactaa tctcgcacct tcccaagtcg cgagtgggct 240
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 tcaagctaac aatccaagac ctcttttctc ggattttggg gcacaccatt cacatgggaa 360
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 gatattgcta atgagcggat agggaaaagt gtcaatcccc aagggataca gcttgncaa 360
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<210> 14598
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 <213> Arabidopsis thaliana
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 <400> 14598

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caatactatg gaaggaattc agcatcctat acctcgcaact gtcgaagagg ttttttagcga 300
 ctttcgtggg cgtagagctg gtctcatcaa ggctctctct actgatgtac aagaagtttt 360
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<210> 14599
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-B4
 <400> 14599

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 taagccaaga aatgtatatg gaagacgagg attttgaact gtatgatttt gataaggacc 180
 ggatgccgag gagcttcaag aaagggcaga tttgggcgat atatgatggg ggtgatgaca 240
 aaatgcctcg gagttactgt ttagttagt aagtagtctc tttgaatcct ttttaaggat 300
 ggatcagctg gttggatttt gagagcgaga aactnagctc ttggatnaag attatttctc 360
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 <223> Clone ID: LIB25-099-Q1-E1-B6
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 ttgggctgat tcttgcatca tcagttttct agatgattca gacaacaata attggggaac 180
 ttttagagat gctttaacag aaatcatcga tatccatccc gagatgtttg ttttttcac 240
 aacaacggga acaagagtg tctgtctcc agacgaggtt atgactgaat ccgagactat 300
 tgatctacgg agatctgaac cagcagctgg ttcagcgaac agtagaacta attcatcgaa 360

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399

<210> 14601
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14601

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actgttgaat tttgtgaggt cattgtcaac ggtacttgca tttgcttact gcttatccag 180
tcttatccaa caaacacaaa agctattctc aagaaacgag taatccgagc gatacaagaa 240
atatgggatt tcaatttgct gggaaagcat tgtattctgc tgtatggggt tgctgctgta 300
tcacttttca tggagttgct gggtttctct acacaaaaat ggctcactgc tggaaggctn 360
tgggacantt ttgantactc cttgccgggc cganagattt tgacaaac 408

<210> 14602
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-B8

<400> 14602

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gaacaaccac actatctcag gtgatttaac ggcaaaacgg aaacgagggtc gtccgaggaa 120
acaattgaag ctggaatcga atgagcactc tcttgggtcat tctccaagtt ttagcaggag 180
tcagcagcag tctcgccaga ggaatgacga tgaagctatg gttggacagc cgattagtgg 240
tgtgattgag gcgacatttg aagccggggt cttgctttct gttaagggtg ggaattcaga 300
tagcatgctt agagggtgtg tcttcaagcc tggctactgt gattctgtat ctgttgataa 360
cgatgttgct ccctgatggt tccaatgata angaannaga gcagnggggn gggggggng 419

<210> 14603

<211> 467
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14603

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 gattccgttt gaagcgtgaa tcctgggaaa gtaaagggtc atcatggtaa tatccaaagc 180
 ttccaaaggg tgttgctgat atcaattcgt acaacattgg ggtcctccgt tctatgttgg 240
 aagaatgcct tccntgaatg ctgggtggga aggaattgt tgttacctaa attgatnggg 300
 aaatgccaaa tncctcngtg gaagcctaaa aatgttcgcc caatcctgga agcctaaagt 360
 caaatgantt gaagttnaag cccgtnacnc caanattgaa aaaaatttgg gtgaatgggg 420
 aaaaacgtcc ggttaattgg ttccnaaccc ngggggaaaa atgcttc 467

<210> 14604
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-C10

 <400> 14604

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 caatccaagt gagggaggag atggaaccat ctcatgtgag agccaattgt gaagcacaac 120
 acaagtacct gacatggcga gcacaaaagg atcctggaca tggctcttctt aaaagattag 180
 taggtgaagc aaaggcaaag gagctgctaa gggatttcct gttcaatggg gtggatgagt 240
 taggcacaaa aacattcatt gattactttc cagagtacca aacagaagat ggaactgtaa 300
 gcgataaacg aagtatcatt gggaagtcac atgaaactcg tccatgggat ttaacaggac 360
 aatttatcgg ctaacaatga tatatgttga acaaagtcag attcagagtc natc 414

<210> 14605
 <211> 417
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-C11
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 ccgagcttta cttcgagcaa aacagaacgc gatgatggca agtcaagcga ggaacacttg 180
 ccagaaagtg atgagtcatg ggaatgagga gaccaatgca cacaattctt ggtctactct 240
 ccatgtttca gtccgaaagt atgaagtctt gacagaaaat catcgttgat gcgcctcatg 300
 aaaacaagca caagttctnn ganggggtga atccaacgac gttgnttgac aatttcnccc 360
 taaagatnaa cgggaaatct gcattaaaag gttaaaacgg ttccaancta cattccc 417

<210> 14606
 <211> 125
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-C3
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 aaagtatcaa cncgatgttt gtacaggaaa gcaattgtgg ggtacagttt cagacaataa 120
 cngaa 180

<210> 14607
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-H9
 <400> 14607
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 acttgcactc acctgttact tgtgttgatg catccgagcg gtttttgagt gaacttaaag 180

gcgttgtgga tcccagagaca aagagaaaga taatcgggag ggagttcatc aacatttttg 240
atcaatttgc ccaagagtta gagaaaaagc atgggaagaa acccgctttt ctaagttcaa 300
gggactctgt accctgatgt gattgagtcg tgccctcccc cgggtactga taggactcan 360
tctcacacca atcaaaagtc a 381

<210> 14608
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-098-Q1-E1-G10
<400> 14608

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ttgagcaagt tcaaaaactt ggaaaagctt gatcttcgtt tcaacaatct aacagatctt 180
cagggactca agtcttgtgt gaacttgaaa tggctttcag ttgtggaaaa caaattgcaa 240
agcttaaatg gaattgaagc actcactaag cttacgggtgc ttaatgctgg aaagaataag 300
ctcaaatcca tgaatgagat ctcttctctt gtcaatttac gggccttgat cttgaatgac 360
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<210> 14609
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G11
<400> 14609

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caatggagct taccaagctt ccategctct tctctcttat tctcatctc actaacattg 120
atcattctcc cgacgacaac aatttcaatc ggagtaaact acgggtcaaat cggagacaac 180
ctccccctcc caaccgacgt aatcccacta ataaaatcaa tcggagcaac aaaagtaaaa 240
ctctacgacg caaatccaca aatctcāaa gctttctcca acaccggaat cgaattcatc 300

atcggactcg gcaacgaata cctctccaaa atgaaagatt cttcaaaagc cttaacatgg 360
atnaaacaaa acgttactcc atttttacct gcgactaaca tcacatgcat aactatcggt 420

<210> 14610
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G12

<400> 14610

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gctacagttt ggtggggaggt tgaagaaacc aattagcagg cctttggaca tgtcttgtct 180
ctagaaaaat tggatttttc ggagatttta tgtcacatgg tggtaatttt aggctattcg 240
cggcgggttc tccagcgggtt gaaactagtg taaaggaaga caaacttcca gctgatctta 300
aggtcacgga gactgtacag gcgaattcaa gtgtgaaatt gagtgtggaa gttccaaaaa 360
ttgtccgtga aagattgtta ncaacgaatc cctaacgaaa 400

<210> 14611
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-G2

<400> 14611

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ctaanagggt ttagcttatt gantttcttg gaaacanagt ttatgaatga cnttcntggc 120
aatggnggct tacccttgga accagttgag attgggtgaac ttggattcgt gctgatgggt 180
gatgatgatg ttttcttctc nctctctttc tcaaactcgt ttancttcat tttcantttg 240
agaaagtttc aagc 254

<210> 14612
<211> 429
<212> DNA

<400> 14614

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atctttctta gtagcagtag gagaagatac ggagagagga gccacgggag atgttgattc 120

gaagctcacg gaattgaatg aatcaagggc tgagttacta aacaggatcc agaattctgaa 180

acaggacttg caaagttgga gaggtaaatt ggacactcaa gttaaagtct accgtgagga 240

gctctctggg ctaaagaaga ctctgaatct tgaagttgag cagcttcgtg aggaattcaa 300

agatctgaaa actaccttga atcaacagca agatgatgtt tccgctaacc cgaaaagctt 360

anggtacaa gantccaaaa gaacaaattt atnaanaaga attnaggtac ngaagaaaaa 420

antggg 426

<210> 14615

<211> 315

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-098-Q1-E1-G8

<400> 14615

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ccaaatctct gtctcttgag tttgatttag ctaaatacaag caatgtcgct tgacataaag 120

aaaccgaaca tcaccaagac gaagaagaag aagacagggt tcgtcgtaaa aatgcagctt 180

aataacaaca agaggaggaa ataaaagaaa catccttanc ctctcctcc tnanaaacta 240

attaaacatg gattctccgg gtttgnctcc ccccggaatt cctnaaannc taattncccg 300

ttcaagaaca ancct 315

<210> 14616

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-098-Q1-E1-H1

<400> 14616

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 aaatcctcct gggtttgata cggaaccagt cccaatcagt acttaccgag acaatgaacc 180
 tgtcccgctt tcaacttacc gagaaaatga ttcaagatca tctcgacgcc actcagcaag 240
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 cttctcaggc aaaggaaaat gggaaaagaga agtgtagaca acagcgcttt cactcatggg 360
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 ccgtt 425

<210> 14617
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-098-Q1-E1-H11
 <400> 14617

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 ggcggtact aggggttcgtt gttgtcatag caatgcagct ttcaccagat tgccacttac 120
 ccgccaccga aactcgccga cgctaccgat ttctctaaat cgtgtcgatt tccctacgct 180
 gaagaaatta tcattaccca ttggagatgg ctctccatt agaaagggtt cagggttcagg 240
 cagcagaaac attgtgcgag ctgtgttgga agagaagaag acagaggcga taacggagggt 300
 agatgagaag ggtatcacgt gcgtgatgaa gtttggtgga tcttcggtgg cgtcagctga 360
 gagaatgaag gaagttgctg atttgatttt gacttttccg gaagaaaagt c 411

<210> 14618
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-098-Q1-E1-H12
 <400> 14618

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 tagatggaga gagattttct cgggttggtt tcgaaaaatt ctccgatcac tgncaaggag 180

gntcaaagaa nag

433

<210> 14621
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H5

<400> 14621

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aaagatcagt ttaggactga tacttggtta ctgttgctat tgtctttggg ctccatcttc 180
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cgcatatagc ctaaccgaat tcctgtggtg cggangggac gttccgtnga aggtggnacg 360
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aacaa 425

<210> 14622
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H6

<400> 14622

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tggctgttga acgtgccacg tggtacctg gactaaacce tctccttat cttgatggaa 180
atthagctgg agattacggg ttgaccac tcgggttagg agaggatccg gaaagcttga 240
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ataccctcac tgatntccct tcggancaca aggaatcnta anttaaccgg tttgggtatg 360
aaactggaan ctgttnaaat ttgattttgc caagtacaaa aactcccaat aanttgatg 420

nttccaactt anggg

435

<210> 14623
<211> 170
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-H8

<400> 14623

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aaaaaaggct tcttcttcct tttgtttgtt tcttcntttt gttgtgggat ctctttaagt 120
tttgggntgt cccttgtctg tttgtgtttg anagtagcta anttcgaaga 170

<210> 14624
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F8

<400> 14624

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taaaaaaaat tagaagaagg aaaaaagatg aaacgatttt taggttttta attaactttt 180
gcttcaagtt ttcttctata gatttcttac tcagaaaagt ttcgaattcg accctgtagc 240
ttagttgttg ttataatatt cttgtgatca ttcacagtac aaaaaaacta attcaccac 300
cgacttcttc ttententct cttctctgtg gccatcctt aaaccacac tgcttttgct 360
tttccttttt ttttcggga aatttgatct ccttanctt cggcantatt agtacgggaa 420
aggtcntta agntnttttt ttggtncccc naaantcac nttttccnan attttcnnca 480
ag 482

<210> 14625
<211> 402
<212> DNA
<213> Arabidopsis thaliana

564430463660

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-D10

<400> 14625

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<210> 14626
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-D12

<400> 14626

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 agcaccaact ggagtgagga accatcagta tgcgagtgga gtgaggtgta tggccgtagc 180
 ggcggatgct gctgagacga aaacggcggc gaggaagaag agtggatacg aacttcaaac 240
 gttgacgggc tggttgctga gacaagagat gaaaggagag atagatgcag agctgacgat 300
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<210> 14627
 <211> 321
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-D6

<400> 14627

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attctcctca tacgtataa ggagaaaatc tcaggagaga gaggatggn taanaatgag 120

ggagagatgc aatgtgggtc cangttgttt aaacaatagg agctataaga gatgagtggg 180

gtcaatgttg gtggcgatta cgttgaggtc atgtgtggtt gtaccagtcg cngatacggc 240

gatgctgttg ctatnactta gggttttccc caccgngac cttgatntca cctgcgaatg 300

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<210> 14628

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-098-Q1-E1-D9

<400> 14628

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gaagctcacc gttaaaactc tcaagggcag tcattttgaa attagggttt taccctccga 180

tacgataatg gcggtgaaga agaatataga agattcacaa ggaaaagaca attatccatg 240

tgggcagcaa ttgttgattc acaatggaaa agttttgaaa gatgaaacta gcctggtgga 300

gaacaaagtt acggaggaag gatttctcgt cgttatgctt ancaagagca aatctgggag 360

gttcagctgg tcaagcttcg gttcagactt cntctgtttc acaagcctgt ttccgctacc 420

acaat 425

<210> 14629

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-098-Q1-E1-E1

<400> 14629

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gctacaaatc tcgttaagcg gattanccga tgcgttgta gatagtgttc ctcttganc 300
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<210> 14632
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-E5
<400> 14632

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gcctccgtca caagagcaac ccatttcaga ttcagattca gactccggat ctgattcaga 120
gaatcatcag caccgtcaca atgatctatc aaactccatc ttcgaagctt acctcgattg 180
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tacatgggtcc tgcacttcct catgcttcgc cgtctttcaa cttttctgca ttcaatcatg 360
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gg 422

<210> 14633
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-E6
<400> 14633

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cttgttcgat caccaaaccg atccaacacg acttcaccaa gctcatgcgt ttcattctgaa 180
actaaccagg aggagaacga gacaataacc tcaatggttc ttgtggggtg cctcgttgc 240

cttatgtacg ttatgctttc tgatgatgac cctaaatgtc ctaaatacaa aagcacggtt 300
 cttcttgatt tcctccaaga aaacgctttt gccgctacaa ccgctaacgc tggcaatacc 360
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<210> 14634
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 ctattgagga gtcatatgtt caaggagctc tctcaaaagg agacaccacc agcttccaca 240
 tccacaactg gccctctcga aggtgttgca ggagtaatgg aggtagcttc atcaaataac 300
 acaattcaat ctctgaagg tcctactagt tcgaatctga acttgagca agttagcaca 360
 atcttgccac aagtttaagg aaaggttccg gtnaattttc aaaagggggg t 411

<210> 14635
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14635

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 ggggttaaaga gagcagggtt caatgttagc aagtacatgc cgtttggacc cgtcgcaacc 180
 gctataccgt atcttctccg acgcgcttat gagaaccggg gaatgatggc caccggagct 240
 catgaccgtc aactcatgag gatggaactt aagaggagat taatccccgg gattgcgtna 300
 agagaaagta tggagccatt aatgaaatt gggaaatgtn natgaataaa tttcctccan 360

gtaatttaaa gaaantnaaa accaaaaatt ttatatanga aatggattag gtaagaacat 420

<210> 14636
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tctcttttcc gacgacgttt ctcggctttc ctctgacatg gcatctctga ttaagctatt 180
 gaccgtccaa tctccncctt cacaagggga aacttccttg attgacgaag caaacctgca 240
 gccccctcac aaaattgatg aagaatatgt ggaannatag ggagnatntg gacgagatac 300
 tgtntcttct gtcaccatct ngcctggctg ttcagccttc gggaaacctt ccagatncgt 360
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<210> 14637
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 14637

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 aaatgcttca gctcgtggtt gtagcgtggc tcttgatttt cacggcggag acggttgtag 180
 ctaccagga atccggcgaa tggagttgtg aatcggactc ggagattcag gtcttagccg 240
 atttcagacc ggggattatc accctcgatg gtcacaacga tgactggaag gacattnaag 300
 ggctccgagt tcccgctccg aactgcactt gattcggacc cgatnacgaa ttatgacctg 360
 ggaagataca gtcaaggcac tacataatgg tcgaagatat caactttctt ctggagattg 420
 atggaaatta cccttatata aaggtgaaaa caacaantgt cctcagtggc tctcaaggtt 480

ccaa

484

<210> 14638
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F6

<400> 14638

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ctctctggat tcgttagacg agaagtttcc ggtatctaata ttctgtgcgt nagaganaaa 180
ttagggttgt tgctacgatg gatgaaactt tacttgacga tataatacga cggcttttgg 240
cgacgaataa tggaaggacg gtgaagcaag cacagattac tganacggag atacgtcagc 300
tatgtttaac ttcaaaanan gtttttctca atcaacccaa tctcctcgaa ctcaaggcc 360
ctaanaaaga attgcgngga ngttcaaagg gcaattttca anacctcctt gcng 414

<210> 14639
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-F7

<400> 14639

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cgcagcttct tgtctccaga gactattgaa tttcccagag aagattgatg tgaggaagat 180
aatagagaaa gctaagtcac tacaaacttt ggctttggat gatgatgtac gatcatcagc 240
tctatcgata aatgatggct ttgatcagag catcagtcga agcagtaccg gcgagaacta 300
acagttttcc ttccggatnc acatctccta aatctccatt gataattacc ccacaaagtt 360
attgggaaga tnaatggana agttctacac aaagccgccg aaggaagaga aaaagaantc 420
cttc 424

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<210>      14641
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<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: LIB25-097-Q1-E1-B10

<400>      14641
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<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-097-Q1-E1-B2
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<223> Clone ID: LIB25-097-Q1-E1-B4

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tcctcagtcg tcgatcagcn tcaactctgcg tttcctcata ttgaactcac ggttctcgtc 180
aaggcactag aagataatgg aagtgtttt aatgctgcta tgaagactta tactctttcg 240
catctttctga ggagaagaaa ctgaagaatt ggccgccang aagtgtgcta ctcaagnaac 300
tgatgcgttt gtggtggaaa ccccccgcaca agtggtgatg actgggttga attgttantic 360
aggggaantgt tacaatcgtc tggmnaaatg atgcaaaatt acgtgcaaca agatccttga 420
nggcttanan aa 432

<210> 14645

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-B6

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tgtctttgtt tttactcaat cccctgtttc cggttctgtt cgattcttct ctgtctctgt 180
tttgtttttc gtcattttgc ctaaagccac atgcaacaag tgattaactg aatttttatt 240
atccatatcc attttgattc gccggaaagt ttattctttt ccggcgacaa atgcgaaaga 300
ttcgaaaacc cattttaacc aaatcaattc taagaacgaa tgtccaatat tcaatccctg 360
aattcaaac aaacaacgaa gcctatcgaa aaccaaacat cggattcttt ggggtcccaa 420
aagcctttgg gggtcggtca atncgggaaa nttttaacca angggattcc cccttaa 477

<210> 14646

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-B7

<400> .14646

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attcgggaacc ggcggcgccg gagatttcac taactaccaa aacaacgtga acaatccaac 180
gagtcgattc acggcgtatt ccgacggagg taacgggtcga tctcaaacaat tcaaaaccta 240
cacacacgaa gctaacgccg gtaacgggtca atcattcaca agctacggna aaaacggaaa 300
cggagttcct aacgagttca cttcttacgg gtctcctcca atgtatccgc tccgggttct 360
ctaactacgg ngaaaagtgg aaacgcgggg aacgatacct tcacaagcta cgggag 416

<210> 14647

<211> 55

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-B8

<400> 14647

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<210> 14648

<211> 447

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-C1

<400> 14648

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tattatctgt ttgtgggaat tcagccaatg ctgaggtatc accattgggtc ttcacaggt 180
ctgatattac tcaggcaatt ctgaaagcat tcacatcggc atgccaatct tcgtcaccaa 240
gcaaagtggg gatcccaaaa ggagagttca agcttggtga gatcgagatg aagggtccat 300
gcaaactccc attgaggnca cccttcaang tactgtcaaa gctgacggtg acgctatcca 360

anggaangaa aatgggtctc tccgcaacat tgatggcttt aantgacgga ggaggagcct 420
cgacgntnan gnatgcanct tgnnata 447

<210> 14649
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-C10

<400> 14649

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cgtttccggt cagctcctc ccgtgacacc gagaaaatca gcatgtccaa aaacagtatc 180
cgaactccag accttacctt 200

<210> 14650
<211> 206
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-C11

<400> 14650

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ctatgcacac gagcagattc tcaaggcctc cgcgctgaac cttgatcaaa acaatgaggg 120
agaacctcga gagatgtgtg catttactta cctaaggatg aatccggagt tgtttcaggc 180
ggataactgg ggaaaattcg tagcgt 206

<210> 14651
<211> 205
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-C12

<400> 14651

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taccacctcg cctcatggga tcccaaaacc gactgttgct cttggtactg cctcgagtgc 180
ggcgacgcta ctgtcaacca ccgtg 205

<210> 14652
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-C2

<400> 14652

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cagttcacat ctttccctcc tttcaccaac accaaccctc tcgcctctcc aaancacncc 180
ttcttcaccg gacccaccgc cgtcgcgcgc ccaaacaaca tccatctcta tcaangcagc 240
tcctccgnag cagncaaaa acatctcnag ttcctcctca tccatctatt tcccancctc 300
ggttactctg gnnatgattt gcacggggga ttgcagcgtt taagagcggn acaagatggg 360
gtcaagcaag caaagctaan tttcgaaggg nacaatagaa gng 403

<210> 14653
<211> 292
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14653

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gagaacatat aagaaccatc aagtgaacaa tgacaagagg gagacagaca actgtngaag 180
aaatgtttgn ttaaatgaaa aatgagaaaa gaaacgaaga tnaagtnaca agtgaaagaa 240
gagcaccat gatgnctgac atttaaaact agagactgna ggaccctca ca 292

<210> 14654
<211> 446
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-C4

<400> 14654

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gaaagtatct cgccaagccg gcccggttctc aagcaagctc gtcaagatna cccgtctgaa 180
gcatctcgtc agccgggtccg tctcaagtag ctcatcagct cgcccgtctc aagcagctcg 240
tcagctcacc cgtccgaagt atctcgccag ccggccgtta aattttcccg atggagattc 300
ttccgattcc ggcggagatt tcaaggannt tcatcggact ggaaaatggg ggatatacta 360
gagtgtggtg ctccgggtgt ctctaactaa tgacgcttat aactatcgn gttctcatct 420
tgggcattct ccacacagan ttaaga 446

<210> 14655

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-C6

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ccataaacag tatttctact tcagaattca tgcgtatctc catacatgat actggggaga 180
tagatgtact gatttttatct gcaagcaa atacggggat ccatttcac taacggggaa 240
taccggcgaa gaagttaagt tagaagaaga ggatacctct accttatgtg atcgggttcc 300
tcctttaagt tattgggatt gctaagaacg gcaaanttcc cgtcaatttg anggatgtac 360
cgtgatacac tcacatccgg anatgaaaaa tgcant 396

<210> 14656

<211> 166

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-C9

<400> 14656

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<210> 14657
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-D1

<400> 14657

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 gtctgtcctt acaacacggc acaccaccac acctctcatc acacacctca cctcacctca 180
 ncccaccacc ggcaaatctc ctgttaaacc ccggttaang nacagtgtct ccaacaagcc 240
 aaactccggt taaagcccc gggtttacca cccaacaaaa gccccggtga aaaccccaac 300
 taaaaccccc ggtcaaagcc aacctgtttt cccaacaagc caaacctcc gggttaaagc 360
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<210> 14658
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-B1

<400> 14658

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 cattcggaac cggcggcgcc ggagatttca ctaactacca aaacaacgtg aacaatccaa 180
 cgagtcgatt cagggcggtat tccgacggag gtaacggtcg atctcaaaca ttcaaacct 240

<210> 14661
 <211> 179
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-F8

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 agttcgtcgg aataccactc tcagggtcacg aagctgcttc cattacagcc gccgacaac 179

 <210> 14662
 <211> 72
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14662

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 actgtmnctc ac 72

 <210> 14663
 <211> 198
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-G10

 <400> 14663

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 aggtaacgta gtggaccac gtttggtcat tgaaggaggg aaaaattcaa aggacgcacc 120
 tgcttacgga gctgatgtta tgcgtctttg gggttctagt gtagattaca caggggatgt 180
 actaataggt cccagat 198

 <210> 14664
 <211> 154
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14664

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 cgaagatagt caacancaaa gccntctgca tcca 154

<210> 14665
 <211> 256
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14665

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 agacgaattg gcagctaagc gattctctct ctttctctct ttctcttctc gtgtaatctt 180
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 ctgctttttt aagaat 256

<210> 14666
 <211> 222
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-G2

<400> 14666

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 cgaagaaatg tgatatactc catatatcag tttcaaccag tgcgggtaaa gaaggacgaa 180
 gagaagaagt ctcagaacgg gaaaccgagc aaacaagtag ag 222

<210> 14667
 <211> 216
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-G3
 <400> 14667
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 tttgaaaaga tagaagaaga gtttggtgca actgtgctgc acatcgtaga aggggagacc 120
 aaggtgtcaa aactgggaaa gttaaagtgt aaaacggaaa gtgaaacaat acaagatgta 180
 aaagcagatg atttgcggca gatgtttctg gcgatc 216

<210> 14668
 <211> 221
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 14668
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 gtgactatct ctttgctatt cgaatgataa tggttcagtt ccgaagagaa ttctcctttt 180
 gtgactcctt gtacctttgg gagatgatgt gggcattaga t 221

<210> 14669
 <211> 210
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-096-Q1-E1-G7
 <400> 14669
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 gaagccgacg ggaacaccgt cactagcgtg gtcgacagtc gtagttgtag cctctctgct 120
 cgccggagcc tccgtcgttc acaatatata caagccagat ctcacattac ctcagatcga 180
 aaacgatgaa ggagacgaga aggaggagtc 210

<210> 14670
 <211> 202

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-096-Q1-E1-G8
 <400> 14670
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 gggattaagg tcgctagaat tcctagtgag ggtactggaa atgctgcatc ttgctctgag 120
 atggctatat atctaagct gggacttctt aagaaacaga acgaaatgca aatatctctg 180
 agaaatagac tacttggaga ac 202

<210> 14671
 <211> 201
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-H11
 <400> 14671
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 ctctctcaact atcctctctc tttctactgt ttgtttgatc ctctgcgtac tctgttcttc 120
 ntctctcttc agatanaaca ngctctgcat attgaagatc tgaggtctta gcgattgcta 180
 agtgtggata aggangaact a 201

<210> 14672
 <211> 223
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-H4
 <400> 14672
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 aaccaaiaaa aaacaaaacg ggtgtcaaaa tgttattaat ctttgggtctc ttgatcttag 120
 ctatggtagc taaatccgtc aatgcaacct accctttaac caaatcttgc atcaacgggc 180
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<210> 14673
 <211> 103
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14673

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 aaaaaaaaaa aaaaaaaaaa angggnggcc gcccnanagg ntc 103

<210> 14674
 <211> 202
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-A10

 <400> 14674

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 ggccaacgat actcacaccg atgacttaga cgagcttctc gatagtcct tggatgattt 120
 caaggatctt aatcttactc aaagaaatgg aggggttaag aaagaagagg gtgataaaaa 180
 agagacagag tcattgccaa gt 202

<210> 14675
 <211> 186
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14675

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 aactctactc tggttccttct ctcaatattt caaattgtgt caccgtcact cttactgcc 120
 agaactatat tctctggaaa tctcagttcg aatcttttct tgatgggtcaa gggcttctgg 180
 gttttg 186

<210> 14676
 <211> 204

gggntaaaat gaaagaantc cgaagggcaa actccntnac gattcccaan cttcnaaaan 360
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 ngaaaaaanc naggg 435

<210> 14679
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-A3
 <400> 14679

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 gccgtccgc gaagantcaa acacgatggg gacgaagacc tgcgagatgt taccgtcaga 120
 ttaagggaaa gcataccga aatcacgata ctgtcgtggg gtgcagtcca aaatcaggtc 180
 tacgatgttg gtatgaagag gaangtggtg atgatttcat tctgtgttca ttggttcacg 240
 ggaaaagaaa tgttcaagtg aagcactgaa gcagcacgta tgcttgcaac aagtatatgg 300
 tgaaatctgc tgggaaaatg ctttcatttg aggttanggt catcctttca tgttctcagg 360
 attaacaaga tgctttcgtg tgctggagct gatangcttc agactggaat gaaaagtgc 420
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<210> 14680
 <211> 376
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-A4
 <400> 14680

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 tttaatcccc agacctcanc ttgttgattt ggttcaaagc tggctgcaag atattgtaca 180
 gaacccaaag tagtgccggg gtcacaacaa tcaacaacaa ctgtcctctg ctgtctgaac 240
 tagcagccgc cgcttctgcc gcagcataag cctccggang tggagtcnaa aaccctgacg 300

ctgcaagacc ancaccaatn ccctagnccn aacnancgat acctttantc tcaacgcac 360
 cntggtggac cngggt 376

<210> 14681
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-A5
 <400> 14681

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 gatggacgga taaagatctg gatacatgtt gctgatcctg ctagatatgt tacacctggg 180
 agtaaagtgg acagagaggc aaggagaagg ggaacttctg tctttctgcc aacggctact 240
 tatccaatgt ttccagaaaa ctgccatgga gnatgactta agacaaggaa aaactgtatg 300
 ctgcctgtgc tgttgctgc tctgatggct gtatacagat atcataataa tcacacaga 360
 cgactattgt gctatgaant ntct 384

<210> 14682
 <211> 329
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-A6
 <400> 14682

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 ttacaccaat tagctgatat ccagcccggg ccatccattt tggttgatca aatggatact 120
 gaagaatcaa aaatcctgat gtgtctttac accaattact gatantgagc cctcactgtc 180
 tatttcactg tgcaaanaat atgacgtaag ataaagcact tgaactgctg gtctgagtag 240
 tatgctgcg atgtcanaaa ctcaatcant acgcactaac atggaaacct cataaggaca 300
 tcnatantgc gagatgctcc tnccccgc 329

<210> 14683

<211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-A7

 <400> 14683

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 gacgccggat cttgagtctg cttcagaaac tccagatact gacattccga agaagatgca 180
 atcgtacact gtggagatcg tttgcgtctc tatattgatt ggttacgcta tcaattactt 240
 cactgggtaa acgtgaaaat gagaacctcg ctttggcttg ggcttccaaa tttgggtctt 300
 aaagatacga tttttgagaa gaacttcagt ttgcttggga gttggtgaag gagaagactc 360
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<210> 14684
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-A8

 <400> 14684

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 acaacaactc 70

<210> 14685
 <211> 207
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-A9

 <400> 14685

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 aagctagaga gggagagaga tagatagata gagggagaag aagaagacga acacggagct 180

gaaacaatga ttacgatccc atacctt

207

<210> 14686

<211> 217

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-H2

<400> 14686

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ctctctgtcg acaagtcctt aattgaagtg ttcccaaaga acatggatag tgactcagtt 120

gtattgatgg ctgcaagagc ttccaggatt gaaaaccaag atgccattga tgcttccatc 180

gtcggaatgt tgggtgatcc taaagaggca agagcag 217

<210> 14687

<211> 212

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-H8

<400> 14687

gaaatttacc taaatctctc cgtaatcatc gatcaaaacg atgctcgagt gtcaatcaat 60

gatggagaaa ttatcacctg tcgtagacgt cgcctctctg gaaatcgagt ctctgcgaag 120

aatcaaacgc ccgaaacgct tctctgaaga agaatcagaa gaaaccgaga atacgacgaa 180

ttcatcaaac gcggtattcg gattccctaa ct 212

<210> 14688

<211> 148

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-A10

<400> 14688

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gtgctttatc ttctggcaac cagcatattc cttataggaa tcacaagcta acgatgttga 120

tgagcgattc attgggcggc aatgccaa 148

<210> 14692
 <211> 197
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-B12

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 caaggatttc tctgttggtc tcttttagcct tagttctagc catcgggtcc gtcttggtc 120
 acccacctac ccacaagaaa ttacaaaaga ccttggtgcc atctactttg tccaaagttc 180
 aagctttccc ttacctt 197

<210> 14693
 <211> 191
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-B2

 <400> 14693

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 ctctcccttt ttatctacca agatctcata tttcctcata ttgttttggt ttcaaataca 180
 acccattcat a 191

<210> 14694
 <211> 209
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-B4

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 gtatgtgct actactctat catctgccaa atcaatctct gcagaatccc taaatcttcg 120
 ttccgattcc aantcagagg caagcgcgtg gtgcttctga gtctgagact cgagtctctt 180

taaggaagaa gaggataaag caggatgat

209

<210> 14695
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-C1

<400> 14695

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agtngcatca antgtgatct atgaagcgca aggaacgttc ttactaaacc attacttgna 120
gangaatttt ccaaataaat gcaacgagtt tacgccttac gnaacaagg gtatgataac 180
gttgg 185

<210> 14696
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C10

<400> 14696

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ggtttgatat tcaatacttg gattggcgtg ctcgtaaga tcttcttacc attatgattc 120
ttcatgacaa ggttgttgat gtacttaatc ctctagctcg tgagtacaag tccatcggtg 180
cagggaa 187

<210> 14697
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C12

<400> 14697

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caacttgga tacaatgctt tctaattcca ctactgttga agagtgtccc agtactggaa 120

ccatgattgt tagatggata cgcaagttcc cgttcttctg cagtgataga gagtatgtaa 180
tcggt 185

<210> 14698
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C2

<400> 14698

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ccaatccctc cattcgaatt cttcattctc tctctctctc tctctcacia ttactgatcg 120
gttctgaaat ttgtagctat gcaggcaacg gctttatcat ctgggttcaa tctctaacg 180
aaacgtaaag atcacagatt tcccagggtca tgctctca 218

<210> 14699
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-C3

<400> 14699

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acgtttcatt tctgggttca aggggtgtaga ataaacactt gagtgaagtt taaagcttga 120
gaaagacaga ggaaagaaaa atgggtcaaa gactgaatch agtcttctgg ntttttgtct 180
ccattcntgc cttttngaatt tttggtatgg ctagcaaa 218

<210> 14700
<211> 126
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-C5

<400> 14700

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ttctattgga aagaaaaanaa tcttttgaaa atggatcaan canaggatnc caccactcan 120
cacaca 126

<210> 14701
<211> 219
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C6

<400> 14701

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ttgcccttct ccgattcaat ttcttcacga tctcaaaacc cagaagaaag aatcatgctt 180
tcgttatcat gctcttcttc ttcttcttcg ttgcttcca 219

<210> 14702
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-C8

<400> 14702

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acaggccctc cctaagatgt actatgattt ctacaatgga ggagcagagg atcaacacac 120
tctcaatgaa aatgtccaag ctttccgtag aatcatgttt aggcctaggg ttcttggtga 180
tgtgagcaac atagataa 198

<210> 14703
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-D1

<400> 14703

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tccggcttc 69

<210> 14704
 <211> 203
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-095-Q1-E1-G7

 <400> 14704

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 ttactgaggag cttcacgtcg ggtacaatgg cggccagtag gaagatttgt cattctctga 120
 tcgttttctt catagcgatt tctacagtct acggtttccg cggattcgat aaaaggctgc 180
 ggtgggttttg tcgaggcgag ttc 203

<210> 14705
 <211> 177
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-D11

 <400> 14705

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 ttaccagaaa atggagggtc agagaacaca acgccggggt tacttgaaag acaaggctac 120
 agtctccaac cttgttgaag aagaaatgga gaatggcatg gatggagaag aggaggc 177

<210> 14706
 <211> 198
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-D12

 <400> 14706

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 tcgatggggt caggtgcatc gaagaatact gaggaagatg acgatgggtc caatggcgga 120
 ggtggtcagc tctacgtttc actcaaatg gaaaactcta aggttgaagg agagctcact 180
 cctcatgtct atggctct 198

<210> 14707
 <211> 76
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-D3

 <400> 14707

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 tctttcagac actcna 76

 <210> 14708
 <211> 214
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-D4

 <400> 14708

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 ctggagctaa gttcgatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg 180
 aaggcgaagt cacaaaactc aagcttgaca atta 214

 <210> 14709
 <211> 210
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-D5

 <400> 14709

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 gttctgacgt cgctgggtgaa accgcagccg ctttagccgc cgcttcaatc gtttttagaa 120
 aacgcgatcc tgcttattcc agacttctac ttgaccgtgc cactagggta ttcgcgtttg 180
 ctaacagata tcgcggcgcg tatagtaaca 210

 <210> 14710
 <211> 51
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-D6
 <400> 14710
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 <210> 14711
 <211> 89
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-D7
 <400> 14711
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 cctcagttcc gtcttttctc ncgcaattc 89

 <210> 14712
 <211> 217
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-096-Q1-E1-D8
 <400> 14712
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 aaaagatgaa catcgctcac actatcttcg gcgttttcgg aaatgcaact gctctgtttc 120
 ttttcttggc tccttcgata acattcaaga gaatcatcaa gaacaaatcc actgaacaat 180
 tctctgggat cccttatcca atgactctcc tcaactg 217

 <210> 14713
 <211> 190
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-096-Q1-E1-D9
 <400> 14713
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taatctaaga ggaaacgagt tcttttgtga agttgatgat gattacattc aagatgactt 120
 caacttgtgt ggactcagca gtctagttcc ctactacgag tacgctcttg atttgatttt 180
 ggatgttgaa 190

<210> 14714
 <211> 58
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-E1
 <400> 14714

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<210> 14715
 <211> 193
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-096-Q1-E1-E12
 <400> 14715

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 aatggattcc aagaaatcag taattcactg gatttatctt ttgaagatga aactgttgct 180
 gatgagaaga ttc 193

<210> 14716
 <211> 207
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-096-Q1-E1-E4
 <400> 14716

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 gtgagcttca gacatatttc cagtttctaa gagattttgc ttagaaaaaa aaaaaaaaaa 180

aaaaaaaaa aaaaaaaaaa aaaaanng

207

<210> 14717
<211> 216
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-E8

<400> 14717

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tttgcagggc acgaaacgcg aatcctcgat ctcgaaattt ctcctcgtcg aacaagaaag 180
atgaccttac attggaggaa gaagctgaga ggaaac 216

<210> 14718
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-096-Q1-E1-F1

<400> 14718

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anaagagaag agattaannn cctcatccga tgat 94

<210> 14719
<211> 203
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-096-Q1-E1-F2

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ttttcgattg agtcttcgac atgtggattc cggtaaaaac ctcaccaaga tccaaaagat 180
tcagagaggg attaaccgtg gat 203

<210> 14720
 <211> 185
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-F5

 <400> 14720

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 tatatt 185

<210> 14721
 <211> 188
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-092-Q1-E1-G9

 <400> 14721

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 agaaatcaag tgtcaatctc ggaaaccttc tgattccgca acaatggcag ttacagatac 180
 tgaaagtc 188

<210> 14722
 <211> 173
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-092-Q1-E1-H10

 <400> 14722

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 gtctcatttt aaagatgatt ctgggtccaaa tgcttgggct tattctgctt ggg 173

<210> 14723
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aaaaaaaaaa	aaaaaaaaaa gggggggccn cccnanggggt	110
<210>	14724	
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<212>	DNA	
<213>	Arabidopsis thaliana	
<223>	unsure at all n locations	
<223>	Clone ID: LIB25-092-Q1-E1-H6	
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ttaattatgg	attgtcatag aaagacgttc ttgttgaagt ttttgtgcgt ggcatttctg	120
ttaaactaca	gcaatgntng gnttggtaan nc	152
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<213>	Arabidopsis thaliana	
<223>	unsure at all n locations	
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tgtgtttatc	tttttggtcc tggcaatgtg agtgttgtat agaaagggga aggagaagga	180
agtagcgggc	ctgtaaaact atcaaagttt ttgaaccgcg acaaagacga tggtgaacgt	240
agaa		244
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<212>	DNA	

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 gtctcgagat tctatttttag gacatttttaa tctctcattt gtattttcag accttttatt 180
 tgttatatcc attggca 197

<210> 14727
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 <212> DNA
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 ttttctagtt atattgagat tgtggctgca agagaaacgg caaatgctg ctactgaagc 180
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 <211> 153
 <212> DNA
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 <212> DNA

<213> Arabidopsis thaliana
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 acatggcaag agcatttagca 200

<210> 14730
 <211> 172
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-093-Q1-E1-A9

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 ttgctttgga ttgggtcgcc ggcgaaagata ggcaactttcc tcttgattca ccaatcctca 120
 ttttgttgcc aggtttaaca ggaggaagtc aagattcgta tgtagacat ag 172

<210> 14731
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-093-Q1-E1-B1

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 aacggtg 187

<210> 14732
 <211> 195
 <212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-B3

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tcatagggat gagagtaaca cacgcggaat ttgtagttct gttaccagac ttgatgtgcg 180
tgaaaccggt gtagt 195

<210> 14733

<211> 200

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B6

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acctttggct gttctcggct gtattaacag aaaacttggga cactgtgttt caagaaaccg 120
tatcattcaa gtaaaaaaagg tagaagctat tgtattccgg atcaaagcaa cctccagacg 180
tttcttgaaa gcattccctc 200

<210> 14734

<211> 199

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B7

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gcttaatgat tagagtctta aagctgtgct ctttcttcat cgatttgagc aagtgatctt 120
ggaaggctct tgagttctga attccttgta agcaatcatg gcagggaaaa gagaaaactt 180
tgtgaggggtg gatgatttg 199

<210> 14735

<211> 199

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B8

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gtgagcgaag aactagtaga ccgagctctg ctaaattctt ttgctgttca acttcgtctt 120
ggactttttg atggtgatcc aagaagagga cagtacggaa agttaggatc aaatgacatt 180
tgtagctcag accacagaa 199

<210> 14736

<211> 187

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-B9

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gttggtgccc ttgtgttgcc tttggacgca tcgcggaggt tgtagacaga ggttcacat 180
cgtgtgg 187

<210> 14737

<211> 126

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-093-Q1-E1-C12

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naancg 126

<210> 14738

<211> 194

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-C5

<400> 14738
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 ttgctaacgc cacaaatgac gtagctggtg atggaacaac gtgtgccaca gtccttacta 180
 agagctatct tcaa 194

<210> 14739
 <211> 174
 <212> DNA
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<223> Clone ID: LIB25-092-Q1-E1-G8

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 aacacaagag aagtggagct aaacagagaa attcgttgaa gagaaacatt gatgctcaat 120
 tccacaactt gtctgaaaag aagaggagga gcaagatcaa cgagaaaatg aaag 174

<210> 14740
 <211> 183
 <212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-D4

<400> 14740
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 ttggagctaa cagtaccgtt gtgttggcga tcattcttctt cggatgttta tttgcgttgt 120
 cctctgcaat agaagaggct acgaagttag gatcagtgat agggatagat cttggtacta 180
 ctt 183

<210> 14741
 <211> 198
 <212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-D5

<400> 14741

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atcgagcatt tgtgtcgctc tctggaacgt gtgtcttcat cgggaatata accataatct 120
ccacgagctg cttgaatgcg tacccttcgt tccctaattg tggcggcggc tctagcagtg 180
gctttggccg tgactggttt t 201

<210> 14745
<211> 173
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-093-Q1-E1-E4
<400> 14745

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atcacctccg cagcattcat ttctatttg catttttcac ctctctagcg gaaagtgagt 120
cttctcgaga atgggagatt gaagaagtaa gagattcact gattgaggaa gag 173

<210> 14746
<211> 199
<212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-E5
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aagtttcttc cctttcagtc ccgaaagcct acgccgccgt aatcgatat acgttgacgg 120
catcaagtct aaaactgtaa tgaaatatta aactatctac tttaatgtat tatctatctc 180
tatatatcac cgttgatca 199

<210> 14747
<211> 194
<212> DNA
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<223> Clone ID: LIB25-093-Q1-E1-E6
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ttggaaccga tgaagaaaag gaattggctt ccgtcgtcga cgctcttgag cctttcaacg 120
 ttcgctccgt cgtcggtggt agccgcaatt ccctcgccat ttgcgatgat ggcaagctgt 180
 ttacatgggg ttgg 194

<210> 14748
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 cgatcgaatc actctcatgt ctaacgaaga ctctcttccg cctttcactt tgtttggttt 180
 ggatgatgtc gaaaatta 198

<210> 14749
 <211> 173
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-093-Q1-E1-E9
 <400> 14749

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 cttcaccttt ctttcttacg attgcaagga caagctaata actttaaaat ccagtacagt 120
 agcgttgctc gtttgttctt gcttccaaag tcaaaccaac cacacacgtt tgt 173

<210> 14750
 <211> 255
 <212> DNA
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gtccgaagag agacatttga aaactacttc gttagagatt gaggggaattt ataaaaaac 120
tgaggccgag catcctagca ttgtgggtcac atatacacgg cgtgggtgtcc ttcagaagga 180
ggtcattgcc caccaccacag acttttaggcc aacaaatccc ggaaacagcc caggcggttg 240
acactctaac gggcg 255

<210> 14751
<211> 193
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-F12
<400> 14751

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gtcactccct ctgcttctga ggaagagatt cgcaaggctt attatatcan ggcaagacaa 120
gttcaccctg anaagaatca angtgatcct ctagctgctg aaaagtttca gggttcttgg 180
gaagcttacc aga 193

<210> 14752
<211> 228
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-F2
<400> 14752

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aagctctctt gtttggtttt tctcatagta tcgtctcttg tttcgagttc tcttgccacc 120
gtcccgccca acacatctat atatgaaagc tttctccaat gtttcagcaa tcaaacaggt 180
gtcctcctg agaagttatg cgacgtcggt ctgcctcaat agcagtga 228

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<211> 198
<212> DNA
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 cggatacgac tggactgtgg tcaaattctt ctggttctac tactacatgt taacatgctt 120
 cgtctacttc accctatacg gtatgatgct tgtegccttg acaccaaact atcaaatagc 180
 tggaatctgc ttgtcctt 198

<210> 14754
 <211> 221
 <212> DNA
 <213> Arabidopsis thaliana
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 tccacagact ccacagaaac cccgtcgttc acccgatgag aacattcgag acgaagctcg 180
 tcgccgtcct catcaactcc aaaacctctc cgcacgttac g 221

<210> 14755
 <211> 208
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-092-Q1-E1-A8

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 gcattctttg ttttttgttt gttagggtta tcagctaata caaagatctt caatattaat 180
 tctcctccag gttctgatat cactaacg 208

<210> 14756
 <211> 186
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-092-Q1-E1-A9

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 atccattggt gaagatcgat gaagcagaat ccaaagacga aaatggagga aatgaagatc 120
 tcattttact cgcacatgga cgagaagaac gaatccgatt cagttgtag atctagacca 180
 aaggcgagga gataaagcga aggttagatc t 211

<210> 14760
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 <223> Clone ID: LIB25-092-Q1-E1-B5
 <400> 14760

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 ttttaattctt ctccaattct cattctcctt acatcaatga taaactttgt agttggagat 180
 ttgtttgtgga tgaagattat t 201

<210> 14761
 <211> 137
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-092-Q1-E1-B8
 <400> 14761

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 cagtattctg aatctttttg tgactctttt ttttcagagc ttaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaag 137

<210> 14762
 <211> 176
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-092-Q1-E1-B9
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aaacgaagat gtatcttcag tgctatatca acgagaaggg tgagaagggtt tacacaacta 120
agaaggaatc accgctaggg ctagccactg aatctgcccc tccagcccgg ttctcc 176

<210> 14763
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C1

<400> 14763

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tgttctatatt aacttttctt atatataaaa aaaatggcga aaaatttact agcaatatgt 120
ctggtgttta tggttgcac aagtgtggtt tatgaagtgc aagggaacttt cttgttaaag 180
ctttacttga ggaggaagtt tcccagacgt tgtatcg 217

<210> 14764
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C11

<400> 14764

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catagcactt gatgagacca ccgaaacagg ggaatttctt cagccttgta ttgaagctgc 120
attgcatttg ggggtgcacac caaggagagc ttcaaggagc caacggaaca ttaaccgag 180
atgttat 187

<210> 14765
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-C12

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aactaactcc gatatccaaa acccactcca agtttcacga acgaagggct tagtatctgc 120

catggctcct gatgcttcta ctgctcttgc agcgagggag aaagttcagc aaatcc 176

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 <211> 220
 <212> DNA
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 <223> Clone ID: LIB25-092-Q1-E1-C3
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 cgacgtttct cttcttcacc acatttctct tgatattcgg atcaatctca gccgtccggt 120
 tgcttcacg accaaacact acaacaacca acgatctaga tttcatccga acaagctgca 180
 acgctactct atatccagac gtctgcttca cgctactctc 220

<210> 14767
 <211> 214
 <212> DNA
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 <223> Clone ID: LIB25-092-Q1-E1-C5
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 taagatagaa gcactgagcg ttgtttcggc acgcgagtta gagaaagtaa aagggttatga 180
 gacgaagata tccagcttga gagaagagtt ggaa 214

<210> 14768
 <211> 187
 <212> DNA
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 <223> Clone ID: LIB25-092-Q1-E1-C9
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 ataaagctga ttcacagatg cggagattct tgattaacca agctaaaggt ctcgtcgacc 180

attctcgc

187

<210> 14769
<211> 193
<212> DNA
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<223> Clone ID: LIB25-092-Q1-E1-D6

<400> 14769

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tgttttgtga cggtttgtgg tgggttcggct ttgttacgga cttgtccggc ttgcgatatg 180
gtcatgaacg cta 193

<210> 14770
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-D7

<400> 14770

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aagagtcttc tgatagcgga ccaatattga tagatacaaa gactcgactc cgtgatacac 120
ttccagctga gccacagagg aggaatggaa ggcttcagct aatgctttac aagcttctat 180
gggacactat tgtgaaagaa ggggtttccaa cggga 215

<210> 14771
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-A12

<400> 14771

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tctaacctg actacaacaa ctctctcgt cctcctcgcc gtgtctctca ccttcttgac 120
tccaantaca atactgtcac accacaanaa ccaccgtctc ttacngcggc ggctactgta 180

tcttctcaan caa

193

<210> 14772

<211> 213

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E1

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aaaaatttat gtgataatta cagatacacg ttatttgtgt gtatattgat agagacaata 120

accattggaa tctgaccatg gatctctttt cttcttgaga tatttttcat ttctttctcc 180

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<212> DNA

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<223> Clone ID: LIB25-092-Q1-E1-E10

<400> 14773

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atttcacggc gaaccaagcg attctagaag ctgttacgac ggcgcgtaga gttcacgtca 120

ttgatttagg gcttaatcaa gggatgcaat ggcttgcttt aatgcaagct ttagctctcc 180

gacccggtgg acc 193

<210> 14774

<211> 189

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E12

<400> 14774

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aaccggtcac cggttcgaaa aatcctttgc ctgagccaga ggaagcagag caaaaccagt 120

accggcaaatt cttggatcgt cccagtaagt ctctctcttt ttgggttcagg cttcgtcttg 180

ggtcctctc

189

<210> 14775
<211> 213
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E4

<400> 14775

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gctttaaaagc ttgaatcttt acatagttcc agttactttc tatagagctt cataatccct 180
agttgcccaa aaggattctg ggttttgtga gac 213

<210> 14776
<211> 163
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-E5

<400> 14776

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tgcctattac tacaaaccag ggagaggaac taaagaaact gataggatca acaactatac 120
aatgttgcag gtgttcgtnt tccttcagcn tcgnttgtna nnt 163

<210> 14777
<211> 214
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E6

<400> 14777

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cgagatagca aagcgaacac aaatcctatt cgtaaaagca accggatttc taaacgacgt 120
gttctggatg aagaactcga tagtcttgat gatgatgacg aagaaattca atttctcaga 180

aggatgaaaa tggctaaagt tgtggctgta gaag

214

<210> 14778

<211> 208

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-E7

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gttcaaatac cataagaagc tgtgaatttt cttctttctt ttttgtccaa tgggaacaat 120

ggcagaattg ggaaccatgg gaaaatttgg agccatggca gaagagcagc aagttaacca 180

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<210> 14779

<211> 273

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-092-Q1-E1-F1

<400> 14779

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gaggtctatc tctcgctttc atgatcgccg tttgatctaa gatccgaaaa cggacggtga 120

agattcttgg gcggtttggt aatttctgaa aatgggtgggg tatgtttaga aaattgagaa 180

aaattgtggg ccgttggatt tgaagtancg aactagagtt gtgtttatgt tttttttttt 240

tcngtctttt gagttttgtc gatattagtt cag 273

<210> 14780

<211> 188

<212> DNA

<213> Arabidopsis thaliana

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<400> 14780

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aatcaaaaaa aattagaaaa tgaaagcctc aacaagagtc atatggacaa tatctgtcct 120

tatgctcgct gctgtgtccg aggccatctt ccctctaccg tttctaccgt tcctccctgg 180
gttcaacc 188

<210> 14781
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-F12

<400> 14781

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ctgccaagaa ctatattctc tggaaatctc agttcgaatc ttttcttgat ggtcaagggc 180
ttctgggtt 189

<210> 14782
<211> 215
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-F5

<400> 14782

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aacatccatt gttgaaagat cacaagatcc aggaaacatt cagcctagat ggaaaaattg 180
aaagaagcaa caaatataat acaaaagagc attgg 215

<210> 14783
<211> 110
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-092-Q1-E1-F9

<400> 14783

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acgccgccgg agcaagaatg tcagccaccg cagcatcaag ctacgcgatg 110

<210> 14784
<211> 187
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-G11

<400> 14784

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tttccgatct acgacaatgg cggacgctga aacctttgct ttccaagctg agatcaacca 120
gttgctttcc ctcatcatca atacctttta ctctaacaag gagatcttcc tccgtgaact 180
catcagc 187

<210> 14785
<211> 190
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-G12

<400> 14785

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tatggagaag ccaccgcagc tgacagagga tacattaagt acaaagatcc taaagtagcg 180
gtcgaagaaa 190

<210> 14786
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-F4

<400> 14786

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ttttccaaaa ggcgaaacgg agcggactaa tgaccggctc catttcgccc tctatatgta 120
agctcactcg tctctccggt atcatcatcg ctgattggaa nggaatctcc ggtgtgattc 180

<210> 14789
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-G2

 <400> 14789

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 aagctggtga gtgctggtga tcacaatgga gccctaaagg tcgcatgctt tcacttaggt 180
 cccttagccg ccaatgacca gtctttactg aagacattga aggagacttt gttagtttta 240
 ctccaacccg acggaaccgc acctgggaaa gatttgcctt tgaatgatct ggcanatacg 300
 ctacaggttt ctgtcggtaa taggctccgg atcgaaagaa ccgaagttaa tgaaaataat 360
 caaangcgac gccttcacac gccataccga gtgggttaag cctcagatgg tgttaaagac 420
 cgggttcaat aatccnc 437

<210> 14790
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-G3

 <400> 14790

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 cgccgtgttt tctcgctcta gtaccgagag ctcgagcga ccaggaagca atccgttaat 180
 ctagaagcgg tgttgagaag atgacgatta catcaaatat ctctgtacag aactaacctc 240
 gttgttcaag ggaagactat ccttaccaa atccctgaca acattatccn aactccggtt 300
 accggtaatg gattcgtttc cggttcattt anaggcgca cgtttgaaca aaagcaagag 360
 tcntcaatgt gttccccatc ggtgtattgg anggtcttcg ggttcaangg tgcggtttcc 420
 cgggtttnaa gctanggg 438

<210> 14791
 <211> 171
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-G6
 <400> 14791
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 ctatgggtctg catnactcat ttctcaaagg cgcgatgaac ataggtgatt gggataggac 120
 caaagatttg gngctcaang gtactgantg gattgtcaat ganatgaaca a 171

<210> 14792
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-G7
 <400> 14792
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 tcatcacttt cctaaagagc agtgaagcaa aatggcgaat tggatctcgt cgaagctcaa 120
 agccgccgaa acaattcttc aacagcttga tcagcaggca gcagattctc ttcggaaaga 180
 tgagaagtca gagacccatg acgaggtggt tgagacctct ccaaaatctg gaagtagtcc 240
 tgtttctttg aaagatcagt tgaggaagaa gacatatgaa ggtagtgact ctggtagtgg 300
 atctcaagag aaactcaaca gagcaaaagc ctagctactt aagtagcagc aaaaaagtac 360
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 ta 422

<210> 14793
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
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ttcactcctt tgcatacacg ggtcaatgta ttctcctcga aacccttttc cttctctcgc 120
 tggaactttc tcccggagct ctagaacgag attcattcct tatgctgtaa cggagacgga 180
 agaaaaaccc gccgcttttg accctagttc agaagctgcc aggcgtgtgt atatcggtaa 240
 catacccagg acggtgacca atgagcagct cactaaactt gttgaagaac acggtgctgt 300
 tgaaaaagtt caggtgatgt atgataagta ttcaggaaga agccgtcgat ttgggtttgc 360
 tacaatgaaa tcagttgaag atgctaagtc tgtggttgag aaattgaatg gcaataccgt 420
 tgaagggcgt ta 432

<210> 14794
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-091-Q1-E1-G9
 <400> 14794

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 gtgcgtctct acttctaccc aaactcgtac gacggctctca acgctaccaa ctcgttattc 180
 tccgtctcct ttggtcctta cactcttctc aagaatttca gtgcttctca gacggcggag 240
 gcgttgactt acgctttcat catcaaggag tttgttgtca acgttgaagg tgggaacggt 300
 gaacatgacg tttacaccgg aatcaagctc cgtctaagtc gtatgccntt tgtaaatggg 360
 attgagggtta cntcaatgcc tgatatgtat angtagtact ggatgggact t 411

<210> 14795
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14795

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 gggaaacaggc tatggctgtc acaagcttgg ctctccatg ggatcatctg agactagctt 120

tccggtcagt agcagcttct tctgtctcc acacaaatca aaaaacccta atcacgaatc 180
tctccattcc cacttcgttt cctctccgac agtcagcttt gagaagatgt tacagtgcag 240
aagctataaa aggagatgta gattttctcc tcaaaggagt tggagaccaa gctgttgcca 300
aagaagtcaa gcaaattctt gaaatggcaa gacgtgcac atcaaaaaga gaagttcttc 360
atacagattt tctcacacca cctattgtta aggaatcagt ttcactattg gaaaaatttg 420
ctgatgttaa gatagttgct caagganggt taccctgang ctgaacggtg taggatttcn 480
antgga 486

<210> 14796
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-H12
<400> 14796

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tcttgtagtc gacagttaga ttccatagaa gagtcaaaag gttcaacatc accagaaact 120
gctgatctgg tagtccagta tcaaagtgtt cttaatagac aggaagaagt tcttgctgct 180
actcgcattc agaccgcctt tccgggtcat cttgcaagga aagctctacg tgccttgaag 240
ggaatagtga agtccaagc atatatcaga ggtcgtgctg tgagacgcca agcaatgact 300
acactaaaat gcctgcaatc tgttgtgaac attcagtcac aagtctgtgg taagagaaca 360
cagattcccc gaggtgttca cagagattat gaagagagca atatattcaa tgataacatt 420
ctcaangtgg acacaaacgg tcaaaaagag atggggacga tagtccttt 469

<210> 14797
<211> 495
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-H4
<400> 14797

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aacaaaacaa aaaccaaaaa aacaaaaaaa taaatggcaa gaatttcact aggatatgt 120
 ctgatgttag tagtagcatc aagtgtgac tatgaagcgc aaggaacgtt cttactaaac 180
 cattacttga agaagaattt tccaaaaaaa tgcaacgagt ttacgcctta cgctaacaag 240
 ggtatgataa cgttggtgac cgatctcgaa ggtagcagtc cggccactac agagttcaag 300
 actttcttta cacagttcaa gtcttacatg tctttcatcc gagacaacat cggcctcaac 360
 aaaaaatggt gatgccgaag atgacagcta aatgtgacgg tcctttcaag gccatgtctg 420
 cattgagtgc taataaaggc gtcaaaatca gcggatgccg gggagtatga agatgaccat 480
 gttgtcgatg ggaaa 495

<210> 14798
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-H7
 <400> 14798

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 ttccggtcaa gagaaggaga tgattcctcc ggtgaagccg tggaatctaa ggaaaagaag 180
 agcagcagcg tgtaaagaac cggaatccaa cagtttgatc aataaaggaa ttgtgattga 240
 ggagaaggta gtgaagaatc catctccggt gagaggcggc ggcggagtgg tcgaagcgga 300
 gaagaagcgt cctatgttct ctatgaagct atcgaagaag gagatggaag aagatttcat 360
 tgggatggta ggtcaccgag cancgctcg gcccaagaaa cgtccaaaac tgttcagaaa 420
 aaaactcgat 430

<210> 14799
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-H9
 <400> 14799

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tcttcttatt caaattcaat tgagagatac tctcttcttc ttctttttct ctatccagtt 120
ccttctgtgc gaagtcttctc tgattaattt gagtttcttg gaagctttta ctcgatcttc 180
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cttatcctgg agcgacgcag gtgggttcgt actttgtggg gcagtattat caagtgttgc 300
agcaagcaag ccaagatctt antcatcaag ttttattctg agcctagtaa gagcnattcg 360
tatcgatggt gantccaacc gangacngn naattctttg gnggg 405

<210> 14800
<211> 217
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-092-Q1-E1-A1
<400> 14800

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aagggcacac tgcggtattgt actatatcga attatccgta tatggcggtt tttggcatta 180
ttcaggttat tcttagccag atcccaaatt tccacaa 217

<210> 14801
<211> 159
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-092-Q1-E1-A10
<400> 14801

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gatttcgtct tctccactct cgttgtaggt tcgattctc 159

<210> 14802
<211> 191
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-092-Q1-E1-A11

<400> 14802

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gtatcttctt ctccgtcaac gatacgaacc cagagacgtc ggcgggttaaa acaatcgtcg 120
gatctctctg gattcgtag acgagaagtt tccggtatct aatttctgtg cgtagagag 180
aaattagggt t 191

<210> 14803

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-F3

<400> 14803

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tgccgttacc tctccacctc cgattttctc cgccgccgct tcaaccgttc gccagttcac 180
ttccgccggc tacccttcca acagttttca attgacgccg ccgacgaatt ggggaatccg 240
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caaggaagaa gctatcccga ttccgaatca gactgcgatt actaaagaca acgttagtat 420
ccacatcgat ggtgttctct acgttaagat tgtgggatc taagttagct tcctaagggg 480
ttgaaaatcc taaccaag 498

<210> 14804

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-090-Q1-E1-D3

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atgggtgcaga ggatgttact gtaatgataa acttgcccc tgggaagttt ggtgggtctc 180
agtacggtaa ttcattcctt ccaagctttg gtagtggcgt gctttgtgcc aaggcatcta 240
tgttgcttca gaacgttcca cccgctgtgc tggttcgatt ccttagagaa caccgatctg 300
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ctgttccttg tgctaagagc tgggggggttc ccaagtaacc aagtcattct tcctcttgcg 420
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ccgangag 488

<210> 14805
<211> 513
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-D7

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attgagaaaag accctgcctt ggaaagaaga ttccagccag tgaaagtacc tgaacctacc 180
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cttcgttaca cagacgaatc tttagtagca gctgcacagt tgtcatacca gtatataagt 300
gatcgtttcc ttcctgacaa ggcaattgac ttgattgatg aagctgggtc tcgggttcga 360
cttcgtcatg cacaggtcnc tgaggaagct agggagcttg angaaggagc ttaggcagga 420
tnacanagga gaagantgaa gctgtccgtg gccanggact ttgagaaggg ctggggaaca 480
cttcggggat cgaganattg nnnncagna gct 513

<210> 14806
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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664730 "400" EEEED

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gaagaagagg aagaagagac actgaaaggg taatgttctg cttgcgcagc atcacacatc 360
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<210> 14807
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-090-Q1-E1-E12

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ccggtgctgc tgcggctgaa gctgcggcgg ctgcggctgg agctgcggcg gcggctgccg 360
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<210> 14808
<211> 272
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-E4

<400> 14808
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aagagttcga ctcgatattg gtaccaagtc gtgccatctc tttctctctc tctctttcgc 180
cttcacaatc caatatccat gtcgatgttg ttgtattgaa cttaaagaga ggtaataaaa 240
attaccttta aaaaaaaaaa aaaaaagggc gg 272

<210> 14809
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-090-Q1-E1-E5
<400> 14809

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agggattttg agagagagtc agttatgagt agttcggaga gagtaccgtg cgatttctgc 180
ggcgagcgta cggcgggtttt gttttgtaga gccgatacgg cgaagctgtg tttgccttgc 240
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tccgccgttg gg 432

<210> 14810
<211> 394
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-090-Q1-E1-E8
<400> 14810

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tctttcatcg ccgttcaacg cttcgtctta agccgcaaga caaggaagca gttacaggtg 180
gtggctatgg ctctgagga agagaagctc actcgctgca atcctctcga tttccctatc 240
gaatgggaga gaccaaagcc agggaggaga ccagatatat tcccaaagtt taagtcctat 300

gaagtcaccg ttgcctcctc ctatgcctta tgattctcca gaagaagagg aagaagagga 360
agagaagaaa gaagaagaaa ctgaagatga cccc 394

<210> 14811
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F1

<400> 14811

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anaaaccatg cattcacttc cgggtgaatct cgtcctcacc gtacttacgg tgttcctaac 180
atcacggcg caagttatcg gataccgtcc atatccacca aaaaccaacg ggtccgatca 240
aatcttcgac gtttcaaaaa aattcgaagg ngcatcgaat ctcgcccgcc tccgttacca 300
catgggtcca agtcttaacc aanaacatca ccgttcanc aatctggnac ggcacgtggn 360
naaaatccca ggaaggaaga atcatccgtg aggttcatta actcnatctc aggcgttggn 420
tntaaacacc ttcagtcctc ggggtgggtg gaaaancgtt cagntttaca ctgnccaaaa 480
tgggatntna naattancng gttcnggt 508

<210> 14812
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-F10

<400> 14812

gaaaaaaaa acagagtaga gattgataaa aaaaaaatga gtagctccga ttctcctcag 60
cttcacaata tcttcgtcta tggtagcttt caagagcctg acatcatcca tgtcatgctt 120
aatcgtatct ctgagattgt ctctgcaaca cttcctggct ttaagagatt taggcttaaa 180
ggacgtttgt atccatgtat tatcccctct gagaatggag aagttcatgg aaaggacta 240
atgggattga ctaatgatga acttgagaat gtagattggg ttgaaggaaa cgaatatgaa 300
agagtgtttg ttgaagttgt aagaaaagac aattctgaga agatgagagt ggaaacatat 360

ccatggatca acaagaatga tcctgatatt ggtggagaat gggatttcga ggaat 415

<210> 14813
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F12

<400> 14813

tcagttgcaa ggatgggcaa ataggctata ccgggatgaa gttgtggcag aatggaagaa 60
agtgaaggga aaaatgtcgc ttcacgttca ttgtcacata agcgggtggcc atttcctttt 120
agatctcttt gcaaagtttc gatatttcat cttttgcaaa gaactacctg tgggtgttgaa 180
ggctttttgtg catggagatg ggaacttggt gaacaactat cctgagctac aanaagctct 240
tgtttgggtc tatttccatt ctaatgtcaa tgagttcaac aaagtcgagt gttgggggtcc 300
gctttgggaa gctgtttcgc ctgatgggtca caagactgag actcttcccg aggctcgggtg 360
tgcggaacgan tgtanttggt gttttcc 387

<210> 14814
<211> 332
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-F2

<400> 14814

gtgttgctta gcttcgtgct gtgcgtcngc gacttgtgga ttatgctcgt cggtagcatc 60
ggggatatch atgaaatcag cgaggatcgc ttattgnggt ctcttcgggtg nctctcntgt 120
cgtctcctgg attcttcgtg agactgggtg ctccgctcct cgagaaactc ncttgatca 180
atacttctga ttcanaatac caaanaatgg tatcangcaa acaagctggt cttcntgtna 240
gctttgggaa tttcctcatc tttgcaaaat atgctttgat catgattggt gtcaaggacc 300
agaatgacan gcgtgactcn tggcancatg gt 332

<210> 14815
<211> 431

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-F3

 <400> 14815

 gcgaaaaagt tcttcttttt cttccgcaca tgtctgactc tctcataagc gtaaatacgct 60
 ctgtcaaata tctctgacca gagagacaga gttgcctcca cgtttcttca gacaagactc 120
 acgctcttcc ctttcaccac attcccttct ccatttctca atctcactta ctttctcgat 180
 tcttgctcca atttcgaatc ttccgagtga aaaaagcttc aaagtttga actttctagt 240
 gtttattaat ctgggtctgc tctgagtttc gtgtgtagct gcatatgagc ttaaagctcg 300
 aagtttttcc atctgggttt gggaattcca nggctaagtg attgggagaa tttggggaat 360
 ttaagttgat ttaagtagg tttgacttca aggttgcggt aattaagggt gattttgatt 420
 cgganttggg g 431

<210> 14816
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-F6

 <400> 14816

 tgcggtgtcn ccngtcggta cacattcgac agtcgcaact cgaggctcta ttcagtgagg 60
 tgagcgacng ggatc 75

<210> 14817
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-F7

 <400> 14817

 ctgttngccc tgcccgtacc gatccanaaa ttcccgcggt ccaccacgc gtccgatccc 60
 caattcgtga acaaattagg gtttttgaag tttgaagaag gagagaaaga tgagtgttc 120

<210> 14822
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-A7

 <400> 14822

tctagggttt cactacgaga atggacggag atgagctcac cgagcaggaa actgctcttt 60
 atgaccgtca aattagggta tggggagctg gtgctcaaag aagattgagt aaatctcatg 120
 ttttggtatc tggaattaag ggcactgttg ctgagttttg taagaacatt gtgttggcag 180
 gagtaggttag tgtgactctg ttggatgata gattggttac aacggaagtc ttcaacgcaa 240
 acttcttgat tcttctgat gaaaatgctt atgtaggcaa aaccgtagct gagatttggt 300
 gtgattcact taaggatttt aaccctatgg ttcattgttc aatagagaaa ggtgatttgt 360
 caacacttgg gtgttgattt tttcgagaag tttgatgttg tgggtaacgg gtacantcc 420
 cnttcca 427

<210> 14823
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-090-Q1-E1-A9

 <400> 14823

agggtttcta ttccggctga tctgcttcaa accattcaaa acatcagaga gggtaccggt 60
 aaacaacatt ccgacgagga tatcttctct gtctttaagg agtgtttcag tgatccacat 120
 gagaccactc agaagcttct ctatttagat acatttcatg aggtgagaag caaacgggag 180
 agaaagaaag agaatttagt gccaaatata caaggaaggg gccggactgg acggaagaac 240
 ttgcttcaa gttacacaga tgccagtaat ggaagaagtg cagcttttaa aaagcagagt 300
 ggagctaata acataatagg aggttctgga actgcttcgt ctgctcctaa caatgcaaga 360
 aacgacacaa aaccttcttc caataatggg cccgaac 397

<210> 14824

<211> 388
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-090-Q1-E1-B10

 <400> 14824

 attgattatg tgtcggacag agactatcga gtaataccca gtagtcaatt atctggtttt 60
 tgategatgc catcaaaatt tgatcttttt tcttctctga agcgaaagct ctgcgcttta 120
 cattttcgcc aattgtgcaa atttactgtt ccacaagttt tcaaaatgaa ggcgatcttc 180
 aaccgtagag ttgtcgtcga ctcactcttc cgtctcacca agctgctcgc gaatccaact 240
 actcattctc acctgaatcg tcaaactttc acttctctct ataaaccaa ccagagccgc 300
 cattttcgaa cacactatct tccttcaagc ccgtcgtctc ctcccgtgag ccgctttgac 360
 ccttctcagc tatggcgatc gggagaaa 388

<210> 14825
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-B11

 <400> 14825

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 aaaagtttcc gatatggctc gtcggtttgg agctaacagt accgttgtgt tggcgatcat 120
 cttcttcgga tgtttatttg cgttgtcctc tgcaatagaa gaggctacga agttaggata 180
 agtgataggg atagatcttg gtactactta ctcttggtt ggtgtttaca anaatgggtca 240
 tgtcgaaatt attgccaatg accaaggaaa ccgtattaca cttcatggg ttggttttac 300
 tgactctgaa agactcattg gtgaggctgc taagaatcaa gcagctgtta atccagagag 360
 gactggtctt ccgacgttaa gagaattgat cgggcgaaaa attt 404

<210> 14826
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-090-Q1-E1-B12

<400> 14826

tctcgtcnta ctgatttcta caaagacgat catcacaatt cctccaccac cagcaccaca 60
 cgcgatatga tgatcgatgt actcaccact accaacnaan cagtanatct acantctcac 120
 caccaccaca atcacnaciaa tcatcatctc caccantctc agccacaaca acagattctc 180
 ctcgagagaaa gcagtggaga agatcacgan gttaaagcac canagaaacg agcggagaca 240
 tgggttcaag acgaanctcg tagcttaatc atgttccgta gaggtatgga tggtttattc 300
 aatacatcca aatctaataa tcatctctgg gaacaagatt tcgtctaaga tgagagaaaa 360
 anggtttgat cgatctccga ctangtgtac cggag 395

<210> 14827

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-090-Q1-E1-B2

<400> 14827

ctgtttacgt ttgcccgtgc cgggtccgana attaacgggt cnacncacgc gtccgcnaat 60
 gttaatgcag acctagtant caatgttcta gatgcaaacc angtaatacc tgnagcttgc 120
 atctccttga tgatccgggg atctggtgct ctcagagtca tgggcaataa ccttggaggc 180
 agcgtaagtt tagnagattt ctccatgtct ttgaaatgga gcaacattgg aaatctccat 240
 ctgcatcttc ttcagccaat atgtgtggnc ngntatacaa ncagtgtttg tgccatatgc 300
 aaatgaccac ctaagaaaag ggattcccgt tgcccataat gcacggattc acacttcata 360
 atgcngaaat catctgctca gaatctnaaa tcacantttg caacnatgtc ccctacttgg 420
 attcntcgca anatnctcaa tggnnnttg 448

<210> 14828

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-090-Q1-E1-B3

<400> 14828

gggtgagaag ttgagttgaa gaaacaaagt tcgtgttcga tgcaattgac caacaagaca 60

actactcaat gtgtcgcttt taagggttaa aacaaccaatc ctcgcaaata ctgtgttcgt 120

cctaacactg gtgttgtctt gcccggtgat tcttgcaatg ttacagtgac gatgcaagcc 180

cagaaagagg caccacttga tatgcaatgc aaagacaagt tccttgttca gactgtttgtt 240

gtctctgatg gtactacttc caaagaagtc ctcgctgaaa tgttcaacaa ggaggctggt 300

agaagtgatt gaggatttca aactgcgaat tgtttacatt cctgctaate ctccttcaac 360

tgtccctgaa agttctgaag aaagnaactc ctcctaaggg cttccctcaa ccgatatttg 420

cctcccaatc c 431

<210> 14829

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-090-Q1-E1-B7

<400> 14829

ttccaattct ctctaattgt tcaactaaagc gcatacataa ccctaaccct aactctctcg 60

tactgcacaa aaaaaaaaaa aaaattgaag aagagcgata cgatcgtaac caggagagctt 120

gatttctccc ctgatttttc taatggattc tcaacagagc gatctctttg acaccgcatc 180

gcagccggac acggtggccg acgagtatac ctttttgga ttcaatactc aaggcgattc 240

agagttcgat taccaggatt ttggatcgcc gacggcatgg ccgacaccgt ctgattctat 300

ttccatcgct gacgttgccg atcgtggtga aggaggagct gccgcggatc atcattctga 360

ggcttcgtca ctttcgtccc tctctgccgg tgccgggaat ggtgcgaaag tgggacgcgg 420

gtgganttgg g 431

<210> 14830

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-B8

<400> 14830

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 agctttaaaa aacccatctt tgggtgttga ttctctgttt atttaattca taaaggaagg 120
 ctcttttttt tttgtttatt tcaggctcat tacgttgatg gtcattctaaa tctcaagaag 180
 acaaagttgc gatttttgca actgggtttc tctcttcaga gatttaattct gtataagaag 240
 atctcaagat cagcttttgt gtattgaaga agaactagga agaacgagga tagatacagg 300
 ctttaattcta aactttgctc tctgctttct gcgattaaaa gatgggtggct tttgggaaat 360
 acttgcagcg gaaacaaatc gaagaatgga gtggctatta tatcaattac aaattgatga 420
 agaagaa 427

<210> 14831
 <211> 87
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-C1

<400> 14831

tttcttgng tttggtctac gccatgacag cctcatgtgg agctctctca actanggagg 60
 ncggactgtg tttcttgaag aagatga 87

<210> 14832
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-090-Q1-E1-C10

<400> 14832

tcattcacatt aaactctggt ttgttgatct ctctttctgt tccgtttctc tttccactgc 60
 caaaagttaa agctctctct ctcaactcaat cacacactca tttctcacta tttcacaact 120
 tccttgtgga caaaattagt cgacttctct gttctctcca aactgtttc gttttcacta 180
 cccaaaattc gaatctgggt tattgaaaaa gttccaattt ttttatctgg gtttttcgaa 240
 agctgatata tttttagaat ctgatctatc tcttctactt catttccctt gcattttttt 300
 aataagttgt agaactctgc ttgttctgga aaaatatgga gtcttgcttt cctgccatga 360

agctgaatca agtgtacctt tggctctcaac aacgaaattg tctcg 405

<210> 14833
<211> 301
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-C2

<400> 14833

ccaanggttt ctttgcggan aanctggna atattccgac gccggaagca accgtggacg 60
acgttgattt caaaggcgtn acacgtgatg gantagatta tcacgccnag gtctccgtca 120
agaatcctta ctctcaatcc atccctatct gccagatntc ttacatcctc aaagatttgc 180
cacaaggacn atctcgtcag gcacgatacc nggacccggg ttcgttggtt gggaacngca 240
cgacggttct ggacgtaccg ggttaagggtg gcttatagca tagcgggttan tctgatgnaa 300
g 301

<210> 14834
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-C3

<400> 14834

ctcgtcgcgc gggacggtcc attactanag gggccctgna ccgcntccgg aaagaaaccc 60
ccataaanaa naaaaangag ttcaaatga aaaacgtgag aaatggattt gtcattcattc 120
ttctcaccgt ccttagtctc tgannataaa ttctgatttt gatttcgaat ttagggatt 180
ttgagagaga gtcagttatg agtagttcgg agagagtacc gtgcgatttc tgcgngagc 240
gtacggcggg tttgttttgt anagccgata cggngaagct gtgtttgcct tgtgatcaag 300
caagttcaca cggcgantct gttgtcnang aagcacgttg ngatctcaag atctgcgana 360
attgcgggaa cganccaagt cctcctgtnc ggtgtttcac cgatnatc 408

<210> 14835
<211> 437
<212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: LIB25-090-Q1-E1-C4
 <400> 14835
 caaaaaacaa aacaaaacaa aaaccaaaaa aacaaaaaaa taaatggcaa gaatttcact 60
 agggatatgt ctgatgttag tagtagcatc aagtgtgac tatgaagcgc aaggaacgtt 120
 cttactaaac cattacttga agaagaatth tccaaaaaaa tgcaacgagt ttacgcctta 180
 cgctaacaag ggtatgataa cgttggtgac cgatctcgaa ggtagcagtc cggccactac 240
 agagttcaag actttcttta cacagttcaa gtcttacatg tctttcatcg agacaacatc 300
 ggcctcaaca aaaaatgttg atgccgagat gacagctaaa tgtgacggtc ttttcaaggc 360
 catgtctgca ttgagtgcta agtaaaaggc gtcaaacag cggatgctgg ggagtatgaa 420
 gatgaccatg ttgtcga 437

<210> 14836
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-D1
 <400> 14836

gngngnnnnn ganngttacg tctgccggnn cgggtccgaaa ttaangggtc cacgcacgcg 60
 tccggacgac ggcaaattcg tggaagctgt ttcacgatt ccggcttcac tgaagcggcg 120
 tcgctcgacg tttattattc cgacgactag gcctttgagg cagtttctga ttaacttcag 180
 gcgataatgg caaacagaac agatccgttg gcaaagaata taagaggaac gaatccgcag 240
 aatctggtag agaagattgt gcgaacgaag atttatcagc acaccttttg gaacgagcag 300
 tgctttggtc tcacggcgga gacattggtg gacaaagcta tggagctcga ccatctaggt 360
 ggtacctttg gtggtagccg caagcctact ccgttccttt gcctcatatt gaagatgctt 420
 caaatccaac ctgagaagga aattgtcntg ggagttcata aanaatgatg actacanata 480
 tgttccgtan tccttggtgc gg 502

<210> 14837
 <211> 380

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-A3

 <400> 14837

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 cattggcgac ttgttcttct tegtcttcaa accttgctct cttcaattat cttccagatc 120
 tctctctctc tctctctttc atcaagtctt ccttctcatt cgtctccttc ttcgtcttcg 180
 tctacccttg nagaagaaat angaaactcc atttatttat tancctctct ctncctctct 240
 ctctctctc gttatttctt tatttgattc ttcgtattga cgtantggct tgcgtcacct 300
 caatctcggt ctcttcaatt ccaaatttcc tggggataga taganncatt tttagcgcgc 360
 aaaaatgnta natccgggat 380

<210> 14838
 <211> 113
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-G1

 <400> 14838

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 caactccaac aattggtggt tgaaantccg ccagcaanaa ctctcaagg ttt 113

<210> 14839
 <211> 67
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-G10

 <400> 14839

 tntcgatgcc catcatggnt gctccaactg ccatgcaaaa gatgggtcac cctgatgggg 60
 antatgc 67

<210> 14840

<211> 493
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-G12

 <400> 14840

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 agaggttaaga ttgttcttga agaatcgatt ctatagagcg tgtagcttc aatgctaact 120
 tgggagaccc cagttatgct tgcaagcaac accgcctcaa ccaaaaagct agccttcatt 180
 accacctttc tcatcatttg tgttatgtcc ggtcacaatg ggtcatgtct cagccgcang 240
 cggatgtttt gccactgccca gcctcagacg cagattgcct cttgagattt aaagatactt 300
 tggttaatgc atcggttcatt agcagttggg atccttccat ctccccgtgt aagcgaaact 360
 cagagaattg gttcgggtgtt ctctgtgtta ccggtaatgt ttggggccta caactcgaag 420
 gaatgggctt aaccgggaag cttgaccttg aaccattaag ctgcaatcaa gaatctacga 480
 accttgagcn tca 493

<210> 14841
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-G5

 <400> 14841

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 gagctctggg acggagatcc ttgtaccgat ttgtgcnggt gattggtaac cgccttttcg 180
 ctttttcnaa tggtaacttg tatctcgcgt gaaaactcaa cctcctgaac ctccggcgca 240
 atccgtcctt cccgggtgga agcctaaaca atggggaaag aaatggataa cgggtgaanta 300
 accaaaccaa nggaagaang aangnnttaa tgaccaaant gntgttcctt aaagtgcgct 360
 ganattcaag actgctaatt ccgaaagtgc aacttcantc ctaatcacgg gagtaciaaat 420
 aatgttggtg gtcctcaaag antttccttt gccngctggt taa 463

<400> 14844
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 gaccagaaac atcgccattg gtggagcca agaagaggtc tatcaccca acgcacttan 180
 ggcggcgctc gctgagttta tctcgacttt gatcttcgtc ttcgncggnt caggctccgg 240
 aattgctttc aanaagatca ctgacaatgg agcaaccact cttccggcc tcgtcgcncg 300
 tgccttaagc tcatgccttc ggtctctttg tcgctgtctc tgttggcgct aacatttccg 360
 gtgggcacgt taaacctgcc gttancttcn gtgtcntacc ggtggtaana tcantctcct 420
 ccgtgggant ccccaaaggg attgctcaag ctcttggtt ccttnnccgc ttggttcccc 480
 ccttancctt tgcaaccggg ngg 503

<210> 14845
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-H3

<400> 14845
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 tcggcagcaa tggtttccgg gtcacaaaac gcttaagatt caatgcactt caaccaaacc 180
 tgccaaacct gcagctgaag tcgattggga nacagaagag agagcttcta ttggagaaaa 240
 agggtgagaa antgtggacg tgaaaggaag ctcaacggtt acaaaaagaa aacaaacttt 300
 gtgattcctg atgtaaganc aaaggcagag tacaaggcgg gtcacacctc gggaagctat 360
 caatgtggag atgtacaaga ctcataaggg aatgggacgg catgggacat aactcgcccc 420
 tcttggtttt gctttccttg gtaac 445

<210> 14846
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-H4

 <400> 14846

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 ctctctgtat ctctccggcg ggttctctct ctacttcccc cggaggatta aaatatggac 120
 caagtctttt attttgatat tccgttagct tggtcagtta ttgtagaagc tgtaccgtca 180
 agacttttaa tatctcaaat ggatgatggg gggcatcgtg agaatggtcg gcataaagca 240
 ncagttcaag gccagtgggt tgatgcaagc atcaaccgtt cgatgaaaca angtgatgtc 300
 gataatagca aagccgcgat gcaacgattc aagagaaaaa tctgggcgat atcagntaaa 360
 aaagcagcag ttanctgaaa agggacatgg gcgtttcctc aanagggaca acgncattgc 420
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14847

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 acctctgttt ccgcgcgtcc tctaagcttc tccgccantc taaattcccg tcnnttctct 180
 ctccangttg cttccaaagt tgaatcgggt cgtgggaaag ggaaganagg atggtttcta 240
 tggcgaagaa aacgtcngag atntggactc agtgaatttg aaggggaaaa aagtttcctg 300
 aaanctgatt tcaaaggtag ctccccanga aaaacaagac taacactgga cgataacaag 360
 aatccgtgnc ggccattcca aangatttna gtatntgagn tgaaaatggn gggaaaagtt 420
 ancctctcca ntcaaa 436

<210> 14848
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

<213> Arabidopsis thaliana
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 tgtctttcct gggtttatca gctagatccc tcttgccctaa agtttgtaac tttcttaggg 180
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 gcaaactctg ttttgtttag acaataaagt tcgggacttt ttgacatact cacagctggg 300
 ttttagcttt ggttcttata gagagtaata gtagtgaagg gtttgtgcca atagttagaa 360
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<210> 14851
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14851

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 atctaattga cttcttccat ctaaagagtc ggaagggaat gagtcaactt gagttggaag 180
 accaggtaca agatgaccta aagcgtgcaa ctggagaatt caccaaggac gagaacgatg 240
 ctaacaaaact taaccgcatt cttcaactca caggattcag tgaccagtc tatgctgaag 300
 catatgtaac ggtacacat tatgatattg ctcttgaagt tacagtaatc aaccgaacca 360
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-090-Q1-E1-A12
 <400> 14852

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 ctacttctga ttctctttttc tgggtttgtc gtttaatggg ttgattttgt atcgtcaaaa 180
 cggagaaaaac aagaagactt cttttgggtt tcttattgcg aagaagatat ttctagggtt 240
 tcgagatttt ctgggttttc tgggtttttg tgtgttcttt gattggattt gattattggg 300
 caatttcctt ggaattcaag aaacttctaa ggttcttaaa gtgtaaagct ttgtgatttc 360
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 <213> Arabidopsis thaliana
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 <400> 14853

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 attcattgtc agtgtctcga gtgtgaccgt tctggnaaat ataagagatc cttgtttaaa 180
 aagatcncna acttc 195

<210> 14854
 <211> 382
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-F7
 <400> 14854

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 tcaggcaccg atgccagagt tctctagctc ggtgaagctc aagtacgtga aacttggnata 120
 ccaatatattg gttaancatt tcttgagttt tcttttgatn ccgatnatgg ctattgtcgc 180
 cgttgagctt cntcggatgg gtcttgaaga gattcttaat gtttggaatt cactccagtt 240
 tgacctantt caagttctat gttctctent cnttgtcatc ctcaactcca atgggttaact 300

tcaatgtcca aanccacgca nncaaccaac tcgttgacna atcctgttac aangccaact 360
gtcacgtgtc gtgtcccccnt cg 382

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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-E5

<400> 14855

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aataggaaca agaatctggt gagtgattgg tgctccattc ttcaaacgca gaagacaatg 180
atgaatgagt tctggttctc tttaaatggt accatcatct gtctggaaca catagccagc 240
ctccttaaag tgagatttca ccaatgctaa agacttgtag ctatgtgata tcttgttctt 300
ttcttccttt gccatctctg catacgtttg gtcatatcca tcagggttgaa aactggatc 360
ccatccgaaa tcagttgggc ctctgggctg gaactatctt acccgaggtt tccccaaaa 420
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<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E6

<400> 14856

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tggcgcgcct tctcttccgt cttctccaag aagccaattc tacatctccg gctgaagctt 180
ctccgccttt caactccgac ctctctctca tcttgccggt tcttctttgt gactgacat 240
gtatcatcgg cttaatatgcc gtctctcgat gcgcttggt cgcctgata gcctcaagaa 300
acagatcgga tcaaaactcat ccaccgccgg tagctgcagc caacaaagga ttgaaaaaga 360

aagtcctccg gtcgttaccg aaactcacct actcgccgga ttctccgccg gcggagaaac 420
 tcgtggagtg tgctatctgt ttaacggaat tcgccgccgg agacgagctt aaggggtgttg 480
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<210> 14857
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-088-Q1-E1-E7
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 tcgaaggctc tgtctcgacc gaaaatgctg ttgttgagtc caagaatgcc gcgaccgaga 180
 cagatgccac attaaactcag gagaagaagg aagagtccat tgaagagaca aagaaggaag 240
 gtgagacaaa agaggactcc tctgaggcaa ccaaggctga gccaaactcca gaagctgtga 300
 aggcagaaga aaaaacatcc tcctggagac tggagcaaca agcacaaga agaacaacac 360
 ctggctgcta aaaacgaatg aagggccctc cccgtgattc ctttgatttc atttaacaaa 420
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<210> 14858
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-E8
 <400> 14858

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 ggttatccta tctcttgctc ttgtagtgtt ctgggcactt gcaggaacca aggttgaggc 180
 ctccgtaaga tacataactt atcctgctat cgatcggtga gatcatgctg tacattgtga 240
 caaagcccac cctancacct gcaagaagaa anaagcanat ccttacagga naggatgcgg 300
 agtgctcgaa gggtgccatc gtgaaacang tccaaagccc acctaacagc attannatat 360

acatttggtt gacatgtttc tcattggaag tatttgnta tctgtataca ctenttacat 420
cctcatnttc atctgttaat nttggctntg taattaat 458

<210> 14859
<211> 286
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-F1

<400> 14859

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cgctccanac ctacagaggct acggtgactc cgattctcta cggagccacg agtcttacac 180
tgtgagtcac ctagtcgctg atgtcatcgg tttactcnat cactacgna ctanncatgc 240
ttttgtggcn gggcatgact ggggagcaat catangttgg ngtcta 286

<210> 14860
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14860

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caaaatggct attaaactag caattctatt taccacattt gttcttttta gctcgcgga 180
cgctagaatc cccggtatct actccggcgg cgcatggcaa aacgcacacg ccacttttta 240
cgggtggcagc gacgcctccg gcacaatggg aggagcttgt gggtacggta acctatacag 300
ccaagggtac gggaccaaca cggctgcttt gactacggcg ctgtttaaca atggatatgag 360
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tccttcgat 429

[illegible]

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<400>	14862
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7192

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 agaaaacaga ggttgtgttt gtggctccaa cgggtgagga gattagtaac agaaagcagc 240
 tggagcagta tctcaaatcg caccctggaa accccgcgat cgcagagttt gattggacga 300
 ctagtgggac acctaggaga tctgcaagaa tcagtgaagaa gactaaggct acgccgtcac 360
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 gcagaagggtg aga 433

<210> 14866
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-088-Q1-E1-G12
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 agatcttttt ttttaaaaat ttccctgaaa ttaataaact ttgaggggaa atgagcgctt 180
 cgagggttcgt aaagtgcgtg acgggttggtg atggagctgt cggaaaaact tgtttgttga 240
 tttctttacac aagcaacact ttccctacgg attatgtgcc taccgttttc gataatttca 300
 gtgccaatgt tgtgggttaat ggaagcactg tgaatcttgg attgtgggac actgcagggc 360
 aagaggatta caatagatta agaccactga gttaccgtgg agcagatggt ttcattttgg 420
 cctttctc 427

<210> 14867
 <211> 114
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-G2
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<400> 14870
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 tcgtaatgct cttgcttttg cgactcacag tttctttcaa gagcatagtt tcctttacat 180
 tcacactcct atcatcacga caagtgattg tgaagggtgct ggtgaaatgt tccaagcaac 240
 aactttgatc aattacactg agangttgga gcaggatctc attgataacc ctccgcctac 300
 tgaggctgat gttgaaactg cnangntcan tgtcaattga naaangtaaa gttgtaaccg 360
 gaactgaaag ctgccaaagc aagcaaagga ancgatnact gctggcggtg cctgaactta 420
 aaataacaaa ggng 434

<210> 14871
 <211> 106
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-G7

<400> 14871
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 ctcncaaaa accttgaagt caatggagct gatcaaagtc aangac 106

<210> 14872
 <211> 583
 <212> DNA
 <213> Arabidopsis thaliana
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 tcctngcaac tcccgggttg gggctggttt gattcaagtc cgaattcctg ggccgaagga 180
 aagaagccgt ctccgtccgt caattccgtt ttccgggcca tgaactgggg gattgaagac 240
 ctggttatgc aagatgggat gangtgcttg cgtctgttgc tgaagacgat taagaacttt 300

gcaagtcatt tatctggtgg gacatcactg aggttccaag acttcaacac catggtacga 360
agctgtacga tccttctacg gtcattgttct tcttcaggaa caagcacatc atgatcgatt 420
cttggaaactg ggtaacaaca acaagatnaa ctgggctctc aagggacaaa gcanggagtt 480
catttgatat cattgagact gtctaaccgt ggtgcaaagg aaagggtccgt gggttggtga 540
attgctccaa aaaagantac tccaaccaa attaccgtta cca 583

<210> 14873
<211> 555
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-C4

<400> 14873

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accgatgaag attgttgaag aaaggngacg attgattttc atgagccctg gattctggat 240
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aaacaaccac aacgaggctt caaaagacca acaaaggatg acaaatactc ccaaacctc 480
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gtgaatacaa gaaac 555

<210> 14874
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-C6

<400> 14874

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 gatggttggtg acaaaaatgg gaaacggatt tatgaccctg ttagaggaaa gtgttgccac 240
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 cgaggtcaat tctgtggaga ttgtttatac atgagatatg gagaacatgt tcttgaanct 360
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 gtcgtacaaa aaaaagg 437

<210> 14875
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-C7
 <400> 14875

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<210> 14876
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 gagtcccca agaaaaaaa aaacctattc ccaaagatga agaacaataa caacaaatct 180
 tcttcttctt ctatgtatga ttcttctttg tctccttctt cttcctctct ctcccaccag 240
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 aatctcaatt cctccacatc agatcatcat catcctcacc cttctcacct ctctctcttt 360
 caagctttct ccatttctcc agtcnaacgg caagatgggt caccgggagt ttcaccagc 420
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<210> 14877
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-D11
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 aagaaactaa tgaaatggaa gcagagcaga aaacacccaa gttagagacc gccattgaag 180
 aaagatgtna agatgaggct gacgaaaaca ttgctctgaa agctcttact gaancttttg 240
 aggatnttgg gcattctctc acacctgaag cctctttttc ctttgcnan ttatgaaacc 300
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<210> 14878
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-D12
 <400> 14878

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 ctacacgcga cgtcaatgtc atcgatgaag aaggttctga ggctccgaga ctggtcgaga 240
 gagcattcga tttgccggcg gcggttgacc gtcgtggctc cggtggttct ccgtcggttc 300
 aagattttgg tcaccatgct gggtactaca aactccctaa ctcaaaagca gcaaggatgt 360
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<210> 14879
 <211> 62
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 14879

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 ga 62

<210> 14880
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 14880

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 ttgaaatfff gattcnaagt tnaaatcgat taatnggcgg gacaanacct ccgattcaac 180
 atctcccgty ggctcctctc tcccgtatct tctcctactg ctactaaaga aagataatac 240
 caatcctggt gattcgaagc tcacggaatt gaatgaatca agggctgagt tactaaacag 300
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tcgtgaggta tgaattcaaa gatctgaaaa ctaccttgaa tcaacagcaa gatgatgttt 480
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<210> 14881
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D5

<400> 14881

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gggctagtgt cacccccaga actggttgaa gaactgaaaa gtactatgaa aagttctgac 180
atgccatggc cgggtgatga aggtgaacag agatgggagc aagcttgggc agccattaaa 240
aaggtctggg cttcgaaatg gaacgagaga gcatacttca gcacgaggaa agtaaaactg 300
gatcatgact atctctgcat ggctgttttg gtccaagaag tcatcaatgc ggattacgca 360
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gtcaaaaggc cttgggggaaa cccttggttg aacatatc 458

<210> 14882
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-D8

<400> 14882

nancatcgan atctcgaata atgcgaatct gaaggatctt tacgaattcc atanncttca 60
gatcgaangg tttcnatcga ttcgttggtc aaagangaga ttgtgcgtgt gattcgtgag 120
catgggctgt tcgttttcag gagtgaacgc actttacgac gccgtcaacg gtggagggtga 180
cgtatggatc aatgagaatc nattcangat cgtgaggcaa ctcggcgaat gaggttccgc 240
atgctccttt tggggccangg gaaatntcgc cgaagccttc tccgccgnat cccggtgggg 300
gccaacctaa aaaattccng ggnccgggtc atctcnccgt tnac 344

<210> 14883
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-E1

 <400> 14883

gngntgtgaa gnattcttcna gccgnccgtn ccgaactata cgggtccagg cccgcgtccg 60
 cgatcaacat cgagacaaag catcaaagac tgcattgatg caaagaacaa tataactaca 120
 ttgacaaca tctcttttaa aacagatagc agtaggcgaa gatacatatc cgaggagata 180
 gcaaaactcg gtaaaggga catcagtgtc catattttta cattcagaga gctttgcgtc 240
 gctaccaaga acttcaaccc cgataatcag ctccggtgaag gcgggttttg aagggtttac 300
 aaagggcaga tagaaacccc ggaacaagtt gttgcggtta agcagctaga caggaatggt 360
 taccanggga acaagagagt ttcttgtgga agtcatgatg ttgagtctct tacatcatca 420
 aaaccttgtc aatttggtcg gatattgctc agaccgtgat caaacggatt cctgtccatg 480
 aaatacatgc aaaatggctc ctttaganga tnaatcctcc aanaattggg 530

<210> 14884
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-088-Q1-E1-E10

 <400> 14884

tttttgggta atagggtttc taatctctgg gacaaactcc aatcgtttcg aatccgcaat 60
 gccagatgg tcgatcaata gaaatatcaa gagtctcaa ttccaaaggc taaatctttg 120
 agatcttttt ttttataaat ttccctgaaa ttaataaact ttgaggggaa atgagcgctt 180
 cgagggttcgt aaagtgcgtg acggttggtg atggagctgt cggaaaaact tgtttgttga 240
 tttcttacac aagcaacact ttccctacgg attatgtgcc taccgttttc gataatttca 300
 gtgccaatgt tgtgggttaat ggaagcactg tgaatcttgg attgtgggac actgcagggc 360
 aagaggatta caatagatta agaccactga gttaccgtgg agcagatggt ttcattttgg 420

ccttctct

428

<210> 14885
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-E11

<400> 14885

cattgtttgt gtgtgattac agcgaagaag agagaatcct tggagcattc catggattcg 60
cttcgatttc tccggattct tcttctatca tcttcgattt tactcttate tctccgttct 120
acagtcaccg ccggtgatat tgttcatcaa gacaatttag ctccgaagaa accagggttg 180
gagaatgact tcgttttggg gaaagttcaa acgtggattg atgggtgttg gaatgaggag 240
tttgtggggg ttggcgctag atttgggaag cggatagttt ccaaggagaa gaatgcaaac 300
caagactcac cttgtttttg caaatcctcg tgattcttgt acaccgctca agaacaagct 360
ttctggagat gttgttattg tggaacgggg caactgtcgg ttcacaacaa aggcgaataa 420
tgcagaacc 429

<210> 14886
<211> 307
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-E12

<400> 14886

acacttctg attgectatt gcttgtcttt cttacaaag ctttaaatac tatcatcttg 60
aaaagaattt gtgttacaaa gttccctgga tgatcaattt tataactttg gtgtattctt 120
aatgatatat tattgaaact gaatcaaaat ttacttttaa ataaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggggccn cccaaangnn tcaaanntna 300
nttacnc 307

<210> 14887
<211> 468

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-E2

 <400> 14887

 actctcttgt ttatctctcc gacgtaacca tggatagcga tactctctca ggattattgg 60
 aaaacgtcgc caaaaaattc cccgatcgcc gagctctctc cgtttctgga aaattcaatc 120
 tcactcacgc gcgtcttcac gatctaatac aacgcgccgc ttcacgcctt gtctccgacg 180
 ctggaatcaa acccggcgat gtcgttgctc tcaccttccc taacaccgtc gagtttggtta 240
 taatgttttt agcggtgata agagctagag ccacggcggc gccgttgaac gcagcgtaca 300
 cggcggagga atttgagttt tacctctccg attcagattc aaagctattg ttaacctcta 360
 aagaaggaaa cgcaccggct caaagaagca agcttcaaag ctgaaaaatc tctcaagtna 420
 acggttaagcc tgcttgacnc tggntccgga ccnttgaana aaccgttg 468

<210> 14888
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-A10

 <400> 14888

 tcaggtgggc agtgattata acttcgtctc cgtgtctggt caagctccca ttcttgtggc 60
 cttcacgctt caggaacaaa gaccagtatc tctctgaaag actacttctc ggaaattttc 120
 gtctccatgg caccctgtag ggggattctt ggcttgcaaa gggcagtgtc catttggaag 180
 gaaagtaaca gactgactcc agctttgaga tcattcagca ctcaagctgc atccacttcc 240
 accactccac aagcctcctc canctcctcc gcctccggaa aagactcatt tcggtgggtct 300
 caaggatgaa gatnggattt ttactaatct ctatggctctg catgacccat ttctcaaagg 360
 cgcgaatgaa gagaagtgat tggcatanga ccaaagattt ggtgctcaaa ggtactgatt 420
 ggattgt 427

<210> 14889
 <211> 432

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-A12

 <400> 14889

 ctatgggtccc tggctcgaga aatccaatgt ggggtgaaga gttcaatttt cccacagatg 60
 aacttcctgc taagattaat gtaacaattc atgattggga tatcatttgg aaaagtactg 120
 ttcttggctc agtaactatt aatgttgaac gtgaaggcca aacgggtcca gtgtggcact 180
 cattagacag cccgtctggg caggtttgcc ttaacattaa tgcaatcaaa ctaccctga 240
 atgctcctag ggctgtaact ggatatgctg gagccggtag aagaagggtc acattggatc 300
 agcaaggccc aacaattgta catcaaaagc cagggcctct gcagacgata tttgatctcc 360
 tcccggatga ngttgtcnag cacaagttat tcatgtgccc tggagaagtc attcctgtat 420
 caatggccga aa 432

<210> 14890
 <211> 92
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-A2

 <400> 14890

 ccaantagcc ctaaatttat taccnacatc atggattcca nggagctgaa ccgtgtgttc 60
 caggtgttcg acaaggaccg agacgggaan at 92

<210> 14891
 <211> 543
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-A3

 <400> 14891

 cgttagctgg ccggccgtnc cgaacnaaan annctcgggt caagccacgc gtcaggngtc 60
 cngtggagtg gacctttgaa ttggatgatn attatccatg tcgattctac ttaggccgtc 120

gtcctcctcc ttcactcctg ttctttctctc aaagcttttc cgattaatcc tctccgggat 180
tctttaatcg acgcaagctg tcctcaagga acaaggacaa agccgtcgca agtcgtttcg 240
aatggagggt cgtttcgaag taattccacg tgtctttcta agtattagcg tcggtgaaga 300
ttttccatca agaatatgag caagtggcta ccggttccgg atncaagaga agcangaaga 360
agaagctggg cgttttgcta caccgcacgt cgtttcgtgg tcctcatggc attggtgatc 420
tcggagaaaag aaaccttccg ggtcaaccga ttggcttcaa tccnactggg gttgctcccg 480
tttggcaagg ttctccccct tggttcctcc aaaacgaaag gaaggtttcc cttaagcang 540
gaa 543

<210> 14892
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-088-Q1-E1-A5
<400> 14892

gttggacatg gctccttttg tgttggtgtt caggccaaat gtttagaaac aggagaaact 60
gttgctataa agaaagttct acaagatcgg aggtacaaga atcgtgagct tcaaacaatg 120
aggctacttg accatccaaa tgttggtgtct ttgaaacatt gtttcttctc tacaaccgaa 180
aaagatgagc tttatctcaa cttgggttctg gaatacgttc cggaaactgt gcaccgcgtc 240
atcaaacact acaacaaact taaccaacga atgcctctcg tttacgtcaa actttacact 300
tatcaagatt tttaggtcct taccctacat tcaccgatgt atcggcgtat gtcacgaga 360
catcaaacct caaaacttgt tggtaaactc acacactcat caagtgaaac tatgcgattt 420
tggaagtgcg aaaagtattg ggtaaaggag aaccaa 456

<210> 14893
<211> 453
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-A6
<400> 14893

gactttcttc tctcttctca aaaacccttc cctcttcgtc tccaaacaac aacaaacaca 60

acaacaacaa aaatcttaca agaagatcan ttttagaaac cctattagga taaaatggat 120
 tacgaggcat caagaatcgt cgaaatggta gaagatgaag aacatataga tctaccacca 180
 ggattcagat ttcaccctac tgatgaagaa ctcataactc actacctcaa accaaaggtt 240
 ttcaacactt tcttctctgc tactgccatt ggtgaagttg atctcaacaa gattgagcct 300
 tgggacttac caaggaaggc taagatggga gaaaaagaat ggtatttctt ctgtgtgaga 360
 gaacgggaaa taccgcgancg gtttaaggnc aaaacggggc gaaagaancc cggttattgg 420
 gaagccacan ggaaaagaca aagagatatt cag 453

<210> 14894
 <211> 353
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-A8
 <400> 14894

ctanaaggcg ctgagctaga agagcaactt cttcagcctg ttccaatcca tgtgcctcaa 60
 ggaaacaagc ctgctcgtgc tccagctcag aagcaaccta ctgctgagga agatgaactc 120
 gctgccttac aagctgagat ggctctctaa gctgaagcta gccttgggaag atttcgatta 180
 agtgggggaga tttgtgtgtg cattatctaa aaacagaaag aaaagatttt atgtatataa 240
 ggatccgagt ctaattgacg ggaagatttt ttttttcttt ttcaatataa ttaacttatt 300
 aaactgcaaa aaaaaacann naanaaatcn anggnnaaaa aaaaaaaggg cgg 353

<210> 14895
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-A9
 <400> 14895

nnggnnnnnn nnggaantgt ttagcttgcc cgngcccnnn nnaaannnaa antcgccggg 60
 ccaccacgc gtccgcncac gcgtccgtag acccagagag agagagagag agagagagag 120
 agatcagtaa cgagagagtc aaagagagga gatttcagtg aagatgaagg agatgcaggc 180

aatagagacg tcgcagccga cgacggtggc tccggcggtg catagccgac aattgggagc 240
 tcagttgtcg ggaagtatga gtttcagcag ccaaagtgcg aaggaagatg aggagatgtc 300
 tagaactgcg ttatctgcgt ttagagcgaa agaagaagag atcgagaaga agaagatgga 360
 gattagggaa agggttcaag ctacgcttgg tcgtgtcgaa gaagagacta agcgtcttgc 420
 tttgatccgt gaggaacttg aaggattagc tgatcccatg aggaaagaag ttgctatggt 480
 tangaaagaa gattgattcc gtcaacaaag aatt 514

<210> 14896
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-B11

<400> 14896
 ngggngnnng aantgttagt tgcncggccg taccgaacca anttcgcggg tccaccacg 60
 cgtccganta tgtggtgacg tagctgcgtt gggatggtgg gacttattta taaacttcgg 120
 aatagcagag tgctttgcgt ttcttgtctg tacaaagtgg agcaatcagt caattcatag 180
 gtattcacat ataccggaac ctagctcatc ttcaatggta gtaagatata tggattggaa 240
 cagaggtcta gtagtaaccg ctgacgacga gcatcagcaa agcaacagaa tatgtggtct 300
 ccaagatatt ggtggacatg ttatgaaaat tccatttgtg acctttcaaa tcctcctttt 360
 catgcgctta gagggaaacgc cagcttctgc caaaaacatt ccgatttttag ttctgtttgt 420
 acctcttttt ctgttacaag gagctggggg actttttgct atgtatagat tggttgagaa 480
 atcagtcctta ttaataaat 499

<210> 14897
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-B3

<400> 14897
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ccnacaatt nctcctcctc ctnccccna aaggaaagng anctnaacgg ntccttttta 120
 ataatccctn ccaaattttc cgggggaaat naatcctttc cccctcctt cctcctcact 180
 tgttgttgtt ccttaaacac tctcttcta agatctacta ttaactggat ttcatttcac 240
 gactaaacca tcgaagtctt cggcaagata tgggatttgt ttctgttcta ttaaacttgt 300
 ttcaatcgag aagtaaaaaa gaatccgatt ccacagatgg aactatgtgc tgtggatcag 360
 accgattaaa ccaagatcgt gtcatacaaga tcttcgttgc caatttcttt cgaggaagat 420
 aacaatcttg ttaccaacac agacatgaat cacttaacag tcgaaacaag angatacgtt 480
 tgcgagcttg cttgagcttg cagctaacaa cgaatgttga aaggg 525

<210> 14898
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-B4
 <400> 14898

cgggaaacct tanggtttta nacctnggga aaaaacccca tccggcttca tggactaaag 60
 ggaaacgggg aaatttccgg gaaagaagaa agaaaacaaa gagtcaacaa caactcctgg 120
 tgggtcaagaa tgtnggcccg tcgcaatttc cacatccaag aaagagtcgt ttgctcctgc 180
 ttgtgcttat cccgccgctc gcaagaggac ttacaactgg gagtgtgaaa gcaatccgta 240
 naaagactac tgggaactgg aangatgang tctcctcgca atgtgcctcg caagttcaag 300
 aacggtttca agagaaggta nccaaagcca anccaaagga acaaaggga ttgcctcaac 360
 aacntaaaac ttgttttttnn gcatcaaagg ggagaaaaaa atctgagttt gttgttcaca 420
 aanattacta ctcttaantt gtctggacta tnactaacc ttttgtgtgg gcccttgcgt 480
 ttttaaaaat ttgggg 496

<210> 14899
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-B5

<400> 14899

cgtactcgag taggtctcag ttacgtaaag gatcgagctt aaaagatgag tggagttgaa 60
gagaaaagttt ctggaacgac aaagacacct gcagatttcc tcaaattccat ccgtggggaga 120
cccgttggttg tcaagctcaa ttctggtggt gattatcgag gcactcttac ttgtcttgat 180
ggatatatga acatagcaat ggagcagacg gaggagtatg taaacgggca gctcaagaac 240
aaatatggtg acgcctttat ccgtggaaac aacgttcttt acatcagtac agtaaacaatg 300
actgtagcag acggagccta ggcccatcat gatcatcaac aacaacaaca gtggtcatgt 360
tatggctgcc atttttgttg tcctcttcna ctcatattaa aagagtatag acatgtncca 420
aagaatggca tcctangtcc tcagt 445

<210> 14900

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-088-Q1-E1-B7

<400> 14900

gcaaaaactt ccggtgataa aacctccttc gtcattcttc tacttcttgg ataaaatggc 60
gtcaactttc actgccacat cttctatttg ttcaatgggt gtcctgaatg gtcacaaatc 120
tgataagaaa cttatcagca agttgtcttc aagctcattt ggaaggagac aaagtgtgtg 180
tcctagaccc agaagatcca gttctgcaat tgtgtgcgca gcaaaggaat tacatttcaa 240
caaagatggg actaccatta ggagacttca agctgggtgc aacaagctcg cagatcttgt 300
tggtgttaca cttggaccca aaggacgaaa tggtgttctt gagagcaagt atgggatcac 360
cacgaattgt taatgatggg gtgactgttg caagaaaagt tgagttggaa ganccggttg 420
agaacattgg cgccaagcgt gtgaaggaag g 451

<210> 14901

<211> 60

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-088-Q1-E1-B8

<400> 14901

tnagccttag ggaattcagg aggaggagga gttncaaaag ttcactaggt aacttaanga 60

<210> 14902

<211> 520

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-088-Q1-E1-C1

<400> 14902

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acccaatgc accacagtct gatgcacccc tcttatggag accctcatag gttcccgata 120

cacggaagag gtcctcatcc ctacttctcg ggacaatatg ttggtaataa taacaacggg 180

catgatctct ttgacgcata cccgcagcaa aacgggcatt ttcactactc atcttgctct 240

tgttaccact gttatgataa taaatactgg cgagggttcag caccgggtggg ccctgatgca 300

ccctataatg ctgggttttta tcctcatgag agcggttatgg gttttgctcc accgcataat 360

cctagaactt atgggttctcg tgggtctacag cctcatggaa gatggcctag taacttcagt 420

gatgctcaaa tggatgctct ttctcggatt cgtcctccta aagttgtatt atcaggcgga 480

tntcgtcata tccgcccttt ggcaagtggg gcaacgttta 520

<210> 14903

<211> 467

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-088-Q1-E1-A1

<400> 14903

tcagatccaa aattttgcaa aatcccaaga tcgtccttac cttctcccga aatcgattga 60

tttttcatgg nngggacgac gaacaagatt cagtcaattc catctccggg agattcttcc 120

ctttcaacac aaagctcttc cttctccgcc gattttgcca acaaaacgac gtgacgggtg 180

ccgtcgtgaa gaaaccacaa cgggggcttt cttctcaatc tccgtccatg aacgctttag 240

cgttagtggg tcatactcct tctgtaaccg gtgggtgggtg taacgggaaac agaaacggac 300

anaaatcgtc gccgattaca tcggggttca gcacnatnta ccttt

405

<210> 14906
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-E12

<400> 14906

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gagtacatag tgggacgaag ccctgaagca cttcatgggtg gactgttcat ggaattcaag 120
aatgaggaag ctacaggtcc tgggtgttcta cgagaatggt tctatctggt atgtcaggag 180
atattcaatc caaanaatac cctcttcctt cgatctgctg atgatttttag aagattctct 240
ccaaacccan catccaaggt ggatccattg catcctgact tcttcgagtt cacgggtcgt 300
gtgattgcct tacctttgat gcacaaaagt tcaagtgggt gtgctgttcg atcgtgtttt 360
tcttcttaca attggcnggg actngaaaat atct 394

<210> 14907
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-E2

<400> 14907

gcagctgatg ccatattaaa aaagtttcct gatcatggag agactttatc gatgaaagga 60
ctgactctaa actgtatgga ccgcaaaact gaagcatatg agcttgttcg acttgagagt 120
aagaatgata tcaaaagcca tgtttgctgg catgtgcttg gtcttttgta ccggtcagac 180
agagagtata gagaagcaat caaatgctac cgaaatgctc ttagaataga tcttgataac 240
cttgaaatac tcagagacct ctcaattctg caggcacaaa tgcgggactt atccggtttt 300
gtggagacca ngcagcaagc ttttgacatt gaagcctaata caccgaatga actgggattg 360
gctttgcagt ctctcagcat ttaaagcaa a 391

<210> 14908
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-085-Q1-E1-E4

<400> 14908

tcactctctc tcattttcga ctttagaaat ggcgaccaac gcagatccag ctccgacgaa 60
 gaaaccaagg aacagtagaa aggcgttgaa gcagaagaat gagctcgtgg agacgccacc 120
 atcgctgtc tccgtcaagg ggaagtcagc gaagtctttc gagcaagatc tgatggagat 180
 gcagacaatg ttggagaaga tgaagatcga gaaggataag acggaggagt tacttaagga 240
 gaaggatgag attctgagaa agaaggagga ggagctagag accagagacg ctgagcagga 300
 gaagctcaag ggtggagctg aagaagcttc agaagatgaa nggaattcan acctaacatg 360
 acttttgctt gccgggcagt catcctctca cacaggctga acaanaag 409

<210> 14909
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-E7

<400> 14909

tttcgagtca tggagagaag cgccgttgcc tcaggttttc atagaaatta catcctctgt 60
 gcttcacgcg ccgccacttc cagcagcgc ctccactctt tgtcctccct cagaaacttt 120
 ccctcttctt ctctcaggat tcgtcactgt ccttctccca tctcttccaa tttcatcggt 180
 agtgaagttt cccgaaaccg acgatgagc gccgtttctt ccagcaccac cgatgtgact 240
 gaattagccg aaattgattg ggacaagatt gattttgggc ttaaaccaac ggattacatg 300
 tacgccatga aatgtagccg tgatggtgaa ttctctcaag gtcaattgca accttttggt 360
 aacattgaca ttaaccagc aagctgggtg ttctca 396

<210> 14910
 <211> 309
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-085-Q1-E1-F10
 <400> 14910
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 cgattaaaga cagtgggtgcg ttacctgcgg ttttggggag cttgttcggt gtgtctgcaa 120
 ctgttggtac ttctctgttc ttcaaaggag ctaataattg aaacagaaga aacaaaattt 180
 taaaaaattg ttgggatttg ttgttgttct tgaaagattg aaaangaact atgtgatact 240
 ttgtactatt cttttctaaa atttantgtg tgttttgtn ttgaaaaaaa naaaaaaaaa 300
 aaagggcgg 309

<210> 14911
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
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 cgttcgggtg accttcaatt cccgccttat cctcctctc cacctacca ttttcatctc 180
 ttcatctccg atcacagaac caccgtacca tctctcttac caccgccgga aaattccgtg 240
 tctcgtatcc tctctccgt tcttcacctc taccacctca tgctcctcgc cgtcgtccca 300
 attacatccc taaccgtata tccgatecca attacgtcag aatcttcgat acaactctcc 360
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 cttctctatg taattttgta aggaccctgg tcatttcatt tctgctgaga ttccttttat 180
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 <212> DNA
 <213> Arabidopsis thaliana
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 ccgtcgaacc caaagtcata cacacttcca aagactcttc ctttttttcc atattggatt 180
 cttcgatata aaatccaaga ttctcggttt ccgaaacacc taaaccggtc tcaatcatca 240
 ctcccgtaa agccagtgc gttcaaactg tgatcagatg cgcacagctg catggaattc 300
 atgtaaggac tcggagcgcc ggtcactgct acgaaggctc ctcttacatt gcgtacaaca 360
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 <223> unsure at all n locations
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 agacaatgct ctgcaactct agtcagggtg atctagacaa tatcgacgaa accgagttcc 180
 caaaggccat ggagttggag tttatggatt gtattctana agaagggtgaa atgttggtaca 240
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 <211> 369
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 gtttacagag caagagagaa agctactggg atgatcggtg ctttgaagaa gacgcgtctc 180
 catgaggatg aagaangtgt tcctcccact actcttcgcg agatctctat cttgcgtatg 240
 ctgcgtcgtg atcctcacat cgtaggttg atggatgtta agcaangaat aaacacagaa 300
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 cagaagctt 369

<210> 14916
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 gttgctccga atggtcacaa atctgataag aaacttatca gcaagttgtc ttcaagctca 180
 tttggaagga gacaaagtgt gtgtcctaga ccagaagat ccagttctgc aattgtgtgc 240
 gcagcaaagg aattacattt caacaaagat gggactacca ttaggagact tcaagctggt 300
 gtcaacaagc tcgcagatct tgttggtggt acacttgac ccaanaggac gaaatgttgt 360
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 <211> 96

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-085-Q1-E1-G12
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 tatcttctga ggaagacgac gaagtctctt ccgagagatg cggagttac agtcccagcg 180
 ccgacattag cgagtccgag agttccagca acttctctg ccaccgcttc gacggcgagg 240
 gtgcctctag ctccatccct tcttccctc gagttgtcgc tggtagagga ttttacttcc 300
 cgccccagc catgcttccg gtgatcggcg gcaaagatgt ggtctgggat gacaanacaa 360
 ccaagacaaa cgattttatc ngaaaatttg gg 392

<210> 14919
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
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 ctaaaggatt cgtgttttga accgccagc cagcttatca agtcgaaggc gagactcatc 180

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395

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<211> 124
<212> DNA
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<223> unsure at all n locations
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<400> 14922

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atgctcangt ttctttatcc aattttatgt tancggacga aggtcctgtt ganaaacttn 120
catg 124

<210> 14923
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14923

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tcaggcctca cagcttanat gaaagagtgt ttcgaaagac aagacactta tattcaagag 180
gttgtcaatg agacgcttga tcctaagaga gtcaagcccg aaaccgagag catgattgat 240
ctcttgatgg ggatctacaa agaacaanct ttcgcttctg agtttactgt aagataatgt 300
caaagccgtc atcttgata ttgtagtggc gggaaacaga tactgcagct gccggcngtt 360
gtnttggggg atgacgttnc cnaatgaaag tacc 394

<210> 14924
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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 ttcagagggga aatgtcacca aaggctaagt ttgtgccaag gaaacgatgg ggtaagagta 180
 gatggtatac tgattcttca tgcggnacca acaacgagtc tatgananag acgggacaaa 240
 gtcttacctc atggggttgag gcagagtcac tgcagcattt atctgcaaaa tattgtcctc 300
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<210> 14925
 <211> 385
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 tctctctcca ntctccctc caatanctcc caagaaaatc ccgtctcatc taccaaggctc 180
 atgccgggat agttcgatgt tccgtcnagg gaactactgt aaccgagaaa aaantctcgg 240
 naaccaagcg aagccacttc ttctgacagc tggttaaagg gaagttgttg atagacctcc 300
 ggtttggtt angaggcaag ctggggangt acntgaagag ttatcaaact ctctggtgag 360
 aaagtanccn ttctttcaga gaaag 385

<210> 14926
 <211> 403
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tagagttaga gcttattttg ctggttttcc tgactccgtg ccagtttaga ctgtcaatag 180
acaatgctca tcaggactac aagcagttgc tgatgttgct gcntccatta gagctgggta 240
ttacgacatt ggtattggtg ctggagtggg atcaatgtca actgatcata ttcctggagg 300
cnggctttca tggggctctaa tccaagagca ncaggatttc ncaaaagccc cgtgattgnt 360
tgcttccaat gggaattacn tctgnaaaac gttgcaggaa ang 403

<210> 14927
<211> 402
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 14927

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caaaacacat aattttgggt cgggtcttctt caattttcac cgacacaaac ccgtcttttc 180
ctcttctctc tcattttctat caatttttct ctacaattcc ccagtcgtcg aagaagctac 240
agcttgcaat ttgctcgtgt tctcttccat cattcctttg ttaagagcct cttcatggcg 300
ttctacggtt gattccaatt tcttctcatc cgtcccagct cttcacangt aanctcgga 360
cttttgcgc ctgatcagat nggaactggn cgaangatct ta 402

<210> 14928
<211> 413
<212> DNA
<213> Arabidopsis thaliana
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catctagagt ctcgtgtcta aatgccaaat acgggtgcaa ggagagtacc tcctatggaa 180

gaagaggang gatgatagga ccgaaccaag gactgtatgg tgtggagcaa cgaccagagc 360
atgctcctgt tatcagtgt gntcttgta aagcctgggtg ttct 404

<210> 14931
<211> 339
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C6

<400> 14931

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tcgtatcaga gctagctcga atcagaatag ttctgggtat tgttttccag aaaagtttaa 180
atcttttgcc aaatcagcga ttctcatcgg tgctgctggt tcaatgaccg gaaagttttc 240
aactttaccg gttaaaagcc gagtctcccg ggttacgact atcgaaaaan acctacgaag 300
gaagtgaag aagagaaact gtctgangat nacgccatt 339

<210> 14932
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-C8

<400> 14932

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tgtaaatgat gatgctaagg ataatgttcc agagaccata gatggggaag ttgtttctgg 180
gataaactct acaacaccca ctattatcaa tggcatgaag ggttcggagc aagctgcatg 240
tgtttcagtg aatcctgttt gtaaggaaag tgtccaaacc cttggataat gagaatgcta 300
aggataatgt tctggtacct gagattgcta atgaagttnc aangactgaa gataacttgc 360
aaaanaagtt gcagatgatt cacagaaaaa ntatgaccct g 401

<210> 14933

<211> 388
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14933

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 atgtagatat tgtggctgct gaccaaggag aaagtatgat ggacaaggaa gaggttttca 180
 gcagtgatag tgaaagtgaa gatgatgacg aaccaggaag tgatgagaag cctgctcagg 240
 ctaagaaaaa gggatggttt tcttctgttt tccaagagta ttactgggaa agcgaatctt 300
 gaaaggacag accttggacc ggcgttgaaa gctctgaagg aacggctcat gaccaagaat 360
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 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14934

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 gattttaact gtgcaataat ccgttacaat gggatctaaa agtttaaggn ngacacacca 180
 agccatcaac caacgggcct tggaacacac cctcgtaaac caaccctccg cttctcctaa 240
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 anannncaat gtgnaatggt ccctgaatgn tggttcccg cattgnaaat ccggnattag 360
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 aaccaattat g 431

<210> 14935
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<213> Arabidopsis thaliana
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tactgcaact tcctcctcct gcttcaactt cattcgggta atgatgaact agcgtagaga  180
tttgatctt cttcttcgtc ctctcaccaa ctcttcaccg gttagatctc tttttcacgc  240
taacgaatga ggagcgttgc cgccgccgcc gctgctgctg ctgctgcttc taagccttct  300
aatcctctcg tcgcctttga gcacaagagg gatgcatacg gatttctgtg cagacctcaa  360
catgtgcaga gatacaagag aatatgctgg                                     390
  
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<210> 14936
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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catagactcg atctcatcga tccgtacacg tgtacaccac tcatcgtcg tgaaacctcc  180
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gggttaagat tnaggagatc tcccgttcnt cctggcaagt acaangtgat ttcgtncggn  360
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<210> 14937
 <211> 409
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 <213> Arabidopsis thaliana
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accggcgttg cttctgactg gatctcttga cgagacgggtg aagttatggc gaccggacga 180

gctggatctt gtgcggacta atactggaca ctctttggga gtancagctt tggctgcgca 240

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<212> DNA

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acgaggacaa gaccattggt gtcacgggtga acggagagat ttataaccat gaggagctga 120

gaaaacgtct gaagaatcac aagttccgta ctggtagtga ttgtgaantc attgctcact 180

tgtacgagga gtatggtgtg gattttgttg atatgttggga tggaatattc tcctttgtgt 240

tgctcgacac acganataac tctttcatgg tggctcgtga tgcgattggt gtcacttcgc 300

tctacattgg atggggacta gacggctctg tgtggntatc ttcaggagat gaaaggccta 360

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-084-Q1-E1-F2

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aagaattgcg aggcaaaaga angctgtnaa catc

94

<210> 14940
<211> 229
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-F3

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aaagtgatag aggagaggga taatgaattg gtgttgatg gaggttttgt ggttccaaaa 180
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<210> 14941
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14941

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ttaccatggc cctcgcgtct acggagccaa ggttcaaaag gtcgagcttc ggaaaaagga 180
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ggnnaa 246

<210> 14942
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-F7

<400> 14942

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tctattcgta tcagagctag ctggaatcag aatagttctg gttattgttt tccagaaaag 180
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<210> 14943
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 <212> DNA
 <213> Arabidopsis thaliana
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<210> 14944
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 <212> DNA
 <213> Arabidopsis thaliana
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<210> 14945
 <211> 280
 <212> DNA
 <213> Arabidopsis thaliana
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aaagatgact tctttgctac aagctgcaga taaatggctc aagcgtctgc aagttgatca 180
tccagactac agattcttca cctctaacag tccacaaatg aggtgaaaat gaaagataca 240
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<210> 14946
<211> 279
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-084-Q1-E1-G12
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cttcccaaag gcaaaactat cggtttgatt gttctcgatg gatgggggtga atctgatccc 180
gatcaataca attgcatcca taaagctcca actcctgcc a tggattccct taaagacggg 240
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<210> 14947
<211> 229
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-084-Q1-E1-G3
<400> 14947

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tcaaaggata tgattgaggc gattgatatg aagatgaata tgatccagtg gaggggtgtta 180
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<212> DNA
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<210> 14951
 <211> 250
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14951

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 tggtaaattc aattttggcg tccacgatta nttgaagaaa gatttgctca acaatgtgta 180
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-084-Q1-E1-H2

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 ggatgccatg attttggaaa ggggtacaagg agttgaccga ttggcgagta gtattcgagg 180
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 tcttcc 246

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 <223> Clone ID: LIB25-084-Q1-E1-H3

 <400> 14953

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 aaaaaccttt accttcttca cagagatcta acctctcctt ttcccaatgt tcggcactcc 120
 gtcttcatcg ccgtcattcg gcaactccgtc atccacaccc gcctttggca catcttctcc 180
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 aanagcaaca anaacaacag cangcagcaa gccgaagttc aactggnttc nagcaacaag 360
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 nagnaa 426

<210> 14957
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 <212> DNA
 <213> Arabidopsis thaliana
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 atttcaattt gagctcttca tcgctgcgtt tctgtgatct cggagctctt ccaagtgggt 240
 cgagtagtgt caaaagagaa ggtgagagat gctgacgtgt atagcttgca cgaagcagct 300
 taacaccaac aatggcggat ctactccgag aagaagatga agaacacggg agttattggt 360
 acccctagga ctaagcaagc gattag 386

<210> 14958
 <211> 386
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-085-Q1-E1-A11
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tctctccaat gtctctatctt ccaatcgtgc tcaggatgta cgcaagagtt caatctccat 180
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 <211> 261
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-084-Q1-E1-F12
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 cccctTTTTc tgcgatcgct ttactctcct cgatccatcg ccatcagatt tcatggagat 240
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 <212> DNA
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 <223> unsure at all n locations
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 <400> 14960

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 gcttttggat cttcagtttg cgaggaaaga gagtaggcct actgatgtta ctcttcttga 240
 ggagcaagtg aatcanatgc ttcgtgaagt ggaaatctga gctcaatgag ccttctccaa 300
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392

<210> 14961
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<223> unsure at all n locations
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<400> 14961

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naactactcc aatgctgcan ttcaatttcc tccnecatcc cggatgttgg caacaactgn 300
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<210> 14962
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-085-Q1-E1-A6

<400> 14962

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acagaaatgg agacaatgag attagagaaa aaccgggcta tgaagcagag gatagacgtc 180
gtgggtggaag agcagtttca aggtcgccat caggatccag gtccaggtct gtggaggtat 240
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<210> 14963

<211> 407
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<223> unsure at all n locations
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<400> 14963

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 gtggtttgac ttcacttgaa ncaagctctt ttantgatct tattgtctcc tttatgttct 180
 gatgattccg cattgtgaaa tcactanaga ttttgggggt gtgatatgaa taatctgggg 240
 aattttgggg tttggggatt cgggttcttc tcttatcta tttgggtttg cggttctgca 300
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<210> 14964
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-A2

<400> 14964

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 ttctctccag aaagaagggc gtgaaaggag aatttagggg atttgctgtg tttgggtgat 180
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 ttgctaggtt tgatattcaa tacttgggat tggcgtgctc gtcaagatct tcttaccatt 360
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<210> 14965
 <211> 244
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-083-Q1-E1-A3

<400> 14965

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ggacagatca agaacaatgg anagcttctc actttatctc tanataaatc ctctgggttct 180
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<210> 14966

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-083-Q1-E1-A4

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aaatcaatgg ctgataggat caaaggtcca tggantcctg aagaagacga gcancttcgt 180
aggcttggtg ttaaatacgg tccaagaaac tggacagtga ttancaaate tattcccggt 240
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<210> 14967

<211> 370

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-083-Q1-E1-A6

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 ctcaatccct cgctcnttct ccctaactta tcagtgcacat cattatngcc tcaatgcntc 300
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 ggcgttnggg 370

<210> 14968
 <211> 399
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 <400> 14968

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<210> 14969
 <211> 394
 <212> DNA
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<210> 14970
 <211> 396
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14970

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 cggcatttca tcttccatca tactcagatc tatcgacgct ggttcttccct cgatctccct 240
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<210> 14971
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-083-Q1-E1-B10
 <400> 14971

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389

<210> 14972
<211> 393
<212> DNA
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<223> unsure at all n locations
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<400> 14972

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<210> 14973
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-B3

<400> 14973

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<210> 14974
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<210> 14975
 <211> 388
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<210> 14976
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-083-Q1-E1-B7
 <400> 14976

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389

<210> 14979
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-083-Q1-E1-C1

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<210> 14980
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H5

<400> 14980

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 <400> 14983

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 <400> 14984

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<212> DNA
<213> Arabidopsis thaliana

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<400> 14986

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ttgtctctac aaaaataaga tgtcttctgc tgcgaaaaga aaaagagaga tggagacaac 180
aaatctatgg tgagatgaag aggaagaaga agagggaaga agaagaaata agangtggtta 240
acaagagaaa gtaccatcag ttttcagaaa cacattcaca tgaangtacc ntcaagagga 300
angtccaaa agcgatgaag nagataagga aatcctctct aganggcaat ggganaaaac 360
naaatgtgga atttnggnnt tgtnggaaag gannatttc 399

<210> 14987
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G6

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atgctcatcc ttatgatatc cangcagctt gctcggctct agttcatgaa atttcctcca 240
agcaaacaca gangttgaaa aannagaagg gagacagatt tnancctttt cttanttaaa 300
tggttggtgc gatgggttct cctggctgca gnaagaattg gnttgttttg ttnaagttta 360
ngtnncanng ggttctaana ggatngcatn aaatt 395

<210> 14990
<211> 390
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-G9
<400> 14990

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atctgtaaca gcgggttggg ttcaatccat ctccggcaac aactacactt tttcaaacta 120
ctccggtgct cttaagtctc tcatgaatct caancagctc gagctcaaca acctctctgt 180
cgctaaagac gtcggaaaag cctttgggat cctggctggc cttgcctctg accgtcttcc 240
cactccggtc atctctctta ttggttgctt tgaaggctct cttggntatg gtgtacaatg 300
gctcggttgt agccgcanca tccaaccaat cccttattgg canatgtgta cattctctgt 360
tangggaggg aanatcacia cgtngntgaa 390

<210> 14991
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-H1
<400> 14991

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aaaccccttt tcgatttcat tgataaaacg caaatcgatc tctcgtgtgg aagaagaaga 120
agaacacgat gggaacaatg ggtaaagcat tctacagcgt aggattctgg atccgtgaaa 180
ctggtcaagc acttgatcgg ctcggttgct gcctccaagg gaaaaatcat ttccgagaac 240

agctatcaag gcaccgcaca ctcatgaatg tttttgacaa aaccctaata gtggataagg 300
 gggcttttgt ggctcctaac gcttctctct ctggtgatgt ccatgtggga agaggttctt 360
 ccatttggtg tggatgtgtc ttgagaggag atgctaacag cattagtgtt ggaactggga 420
 ccaatattca nggncaacgc tctttgtcca gg 452

<210> 14992
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-H10
 <400> 14992

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 cgcgtccgcc cagcgcgtcg cggacgcgtg ggtgcgaaaa tggcgtcttc ggtttttcta 120
 tccagtttct cgtcacgtc ttctttgcaa ctctgctctt cctttcacgg cgagtactta 180
 gtcctcgaga gatgctttct cggagctccg gtcacttctt cttctttatc actctccggt 240
 aagaaagaac tcatattctc cgagacagtt ccatgtttct gccaaagaag tttctggggt 300
 agaggaagcc attaggnatc aagaaaaatg agagagcttg gnaantaana tcaaaagtta 360
 ggagaaatcc accattaaga cgtggtaaga gtatccgcct cgtcctctg tacctgatta 420
 cattccaang gtccttttat gttgaagttc cgggtgtatt acg 463

<210> 14993
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-H12
 <400> 14993

ggaaaagaag agaaacatca aacatctttg gtttgcttcc ctctacccg ttcttcatac 60
 aagcacgctt ttaattatgg attgtcatag aaagacgttc ttgttgaagt ttttgtgcgt 120
 ggcatctctg ttaaaactaca gcaatgttgg cttttagtag gcagcaacaa acattggctt 180
 gaactacggc ctcttggag acaacctccc gctccatct gaagttatca acctctacaa 240

aatgagcttc atgtaccttt cttgtcattt gcaacaacgg accccgactc tttcttccgc 360
 ttcaataacc ttatttcctt cgtancacac agaa 394

<210> 14996
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-082-Q1-E1-F9
 <400> 14996

aaaaaatatg tattgtagag agtccttgtc gagtctccag actttgaacg tagcaaagag 60
 tctcagctct ttgttcctta aacaatcagc tctcatcaac ccgatctccg ctggacgctg 120
 aaacaacctg cctcgtccaa acctcagaag acgatgtaag gtcaccgctt cacgggctaa 180
 tattgaacaa gaaggtaaca cagtgaaga acccattcag aatattaaag taaagggata 240
 cataacggcc caagaagagt ttctggaggg cataacttgg tcgagaggtc tcgatgacat 300
 tgctgatatc cgcggcagat cattgctcgt cgagcttatt aagcgccaag actgaccagc 360
 ggattacggg agaagactac gcacaacgtg 390

<210> 14997
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-E1
 <400> 14997

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 actcagtttc cgatttaggg ttaccaatc ttcgccatgt atcgcacggc agcttcacga 120
 gccagggtc ttaaggaggt tcttactcgt agtttgagac cancgcgta tgcnagtctt 180
 antgctgttg cggagacgan ttcgtcaacg ccggcttact tgagctgggt gagtggtggg 240
 tctcgtgctg cgcttacntc attggatatg cctctacaag ggtgtttctc ttcctcngn 300
 ngcntgctgg ataaagggtc agccggagca aacnttcaag atnaactant ccttcnaaaa 360
 tgggtcttaag ganannctc atgncganga cgccggaatc 400

<210> 14998
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-E10
 <400> 14998

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 gagcggcgga ggaaacaacg tcgtgaacaa agtggttctac gcgacgtcgt atcatccgat 120
 tcaagccgga agtatcgacg gaactgatgt tgctccacat gataacggcg tccgtcgagc 180
 tcttctctgt tataacgctg gcttatatga tccttctggt gattcgaagg ctgttgagga 240
 tccttactgt actctcttcg tgggtcgtct ctctcatcac actacggagg atacacttcg 300
 agaggtgatg agtaagtatg gcaggattaa gaacttgccg ttggtaagac acattgtgac 360
 gggagcttca cgangatatg gttttgtgga gtatgagact gaaaaggaga tgcttcgtgc 420
 ttatgaggat gctcatcatt cactaatag 449

<210> 14999
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-E11
 <400> 14999

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 aatcgctgaa gaacgcctct cgagctcaga tagggtttat aggtttctag agagaatttc 120
 atggcgacat ctgaagcgga atatgagagt gatcccgagg agctgaaccg ctccttggcg 180
 acgaggagga gagaagcgag tgatgacgat agtgatgatg atgatgctgt tagagatgtg 240
 aaaaatcaga nggctgtggt tgattctgac ctatctgatg aagaagttgg tactgtgaag 300
 tatgataatg acgaagatgg ggaggatagt tatgaggatg atgaggacga aagtgggtgga 360
 ggaatcgata atgataagag tgggtgtggtg aangaggctg gtgatatgaa tggagaggaa 420
 gaaaatgaaa aggagaagtt aca 443

<210> 15000
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-E12

 <400> 15000

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 cttaaagaca aagccattag aaagagaaag tgagtgagag agagagagaa actagctcca 120
 tgttcgaaac agagcatcat actctcttac ctcttcttct tctcccatcg cttttgtctc 180
 ttcttctctt cttgattctc ttgaagagaa gaaatagaaa aaccagattc aatctacctc 240
 cgggtaaadc cggttggcca tttcttgggtg aaaccatcgg ttatcttaaa ccgtacaccg 300
 ccacaacact cggtgacttc atgcaacaac atgtctccaa gtatggtaag atatatagat 360
 cgaacttggt tggagaacca acgatcgtat cagctgatgc tgggacttaa tagattcata 420
 ttacaaaacg aangaangnt ctttgaatgt 450

<210> 15001
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-E2

 <400> 15001

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 acggagaaga tcatggaaag ctctcgttta tctctgacgt tgttgaccag aacagagctt 120
 tgggtgatgc ccctgatatg gagaggatcc agatgaactt caagagggtg tctcttaccg 180
 atattgtcat tgacatcaac cgtgtgccaa agaagaaggc tttgatcgag gcaatgggaa 240
 aaggctgatg tgaaagaaca agtgggagaa aagctcatgg ggtanggaag cttatcgtgc 300
 aaaaacgtng ggctaaccctt aacgactttg atagggtcaag atcatgttgg ccaaagatna 360
 aagaaaagct ggngtttgtc angcaaggaa cttt 394

<210> 15002
 <211> 407

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-E3
 <400> 15002
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 agaggacagc taagggtcaac aggaatcctg atctgatcag gggagttggt aaataactcaa 120
 ngtctcagat gtaccataag agagggtttgt gggcaatcaa ggccaaaaat ggaggcgttt 180
 tcccccgcca cgacgctaaa tctaagggtg atgctccggt ggagaagcca ccgaagttct 240
 atccagctga agacgtgaag aaacctctcc ccaacaggcg cacggcaaaa ccanccaagc 300
 tcaagagcta acatcactcc anngacagtg cttatcatcc ttgctggtag atttaaaggg 360
 caananaant tgtccntcct taancaacct tgcctccggg ttngctt 407

<210> 15003
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-E4
 <400> 15003
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 acaagggttta ctttgatgtg gaaattggag gtgaagttgc tggcagaatt gtgatgggtc 120
 tctttggaga agttgtgcct aaaaccgttg aaaacttccg tgccttgtgt actggtgaga 180
 agaaatacng gtacaagggg ttcctctttc catcgtatta ntaangattt catgatccaa 240
 ngagggtgatt tcaccgaggg aaatgggtact ggagggtatta gtatttacgg tgccaanttc 300
 gaangatgaa agcttcagcc gtgaagcana ctggncctgg aatcttgagc atggcaaacy 360
 ctggtcctaa tacgaatggg aagccanntt ttttcaattt t 401

<210> 15004
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-082-Q1-E1-E6

<400> 15004

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cgatgtgatg ttgcttggtg cacaaaacaa caacatggat gacaagaaga tgcaagtcac 120
agtggcttac aaccatttcg gaaaaggact tgtgcagagg atgcctaggg tccgatgggg 180
tttcgtccac gttgtcaaca atgactacac tcattgggag ctttacgcga tcggtggtaa 240
gccaaagtcc taccattctc agccatggaa accgtttcat cgctcctcct cacaaacaac 300
actacagaga ggtgacaaag agggattatg cttcagaaag ngaatggaaa aactggnact 360
ggagatncga gaaag 375

<210> 15005

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-082-Q1-E1-E7

<400> 15005

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actatcccgg cgaatctcgt tctcaaccgg agatctaaca aatctctcac tcaatccgta 120
cctaaatcct ccgcaagatt cgtctgctcc gatgacaaat cctcctcctc cacacctcaa 180
tccatgaaag ctttctccgc cgccgtcgcc ctctcttcca tcctcctctc tgctcctatg 240
ccagctgtcg ctgatatctc aggtttgact ccttgcaagg gatcaaaaca gttcgctaaa 300
agagaagaaa gaanaagatt aaagaagctt tgaatcctct ctaaagctct aanggctcct 360
gaaatctggc cctggctnct tggctcctca aatg 394

<210> 15006

<211> 133

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-082-Q1-E1-E9

<400> 15006

cttacnatna tggcgcattg gaaccggcca ttattngaga gatcatgcat gattcatcac 60
cataatgcat naacacagct tatgttacca attacaataa tgctcttgag cagcttgatc 120
aagcngtgga naa 133

<210> 15007
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-F10

<400> 15007

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naacaaggaa tggcaaagga aggggggcttg ggagagaact caagatggag tcttgaggc 120
atgaccgctc ttgtcactgg tggctctaaa ggcacgaggg aagctgtggt ggaggaacta 180
gccatgttgg gagcaaaagt ccacacgtgt gccanagacg aaactcagct tcaagaacgc 240
ttacgtgaat ggcaagcaaa agggtttcag gtcaccactt ctgtctgca cgtctcttct 300
cgtgaccaac gagtgaaact catggaaact gtttcctctc tctaccaagg aaaactcaac 360
atcctccgtc aacaatgtgg gaacgtcaat attcaagccg accacagagt atacaccaag 420
aagatttctc ctttgtaatg gctacaaaat ctcgagt 457

<210> 15008
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-082-Q1-E1-F11

<400> 15008

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tttggttga ggtttgtact aagagtacgt ctgtctagtt tgggattgta ctttttgttg 120
ttgttgtag tttgtaactt gtgatgcttc cctcccccta gctctcttat tacatgggag 180
ttgtaaactg tgtgtactac tactactagt ctctanggta tgtacttttt ttttcctcac 240
cataataata ctttctgggt ctaaaaaaaaa aaaaaaaaaa aaaaaaaggg cgg 293

<210> 15009
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-F2

<400> 15009
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 ttgtgaaaag gtgcttatca gatggagatt ttctccatga aagttgcact ccgctgtcag 120
 ccatgagtag caatcatgaa agcatgccac aaaaagggtt ctccgcacca ttacagcatg 180
 tgagccatat tctttcagag tcatcgtcng atataccagg tatctaata tgtagcatta 240
 tcaagggtga ctcttcaat gcccanggaa acagctcttc ggagatgtgc aaanggttca 300
 tcgttttggg angcgaccaa gtttactttg gccggggang aagacatgtc taagtgtcnc 360
 caattttgtt gatattgagt ggctttcatc aggaaaancc a 401

<210> 15010
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-F4

<400> 15010
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 cagcgacaag tacatcttag gacgagaact cggtcgcggc gaattcggaa tcacgtatct 120
 ttgtacagat agagagactc gtgaagcttt agcttgcaaa tcaatctcca agagaaagct 180
 ccgaaccgcc gtcgatgtgg aagacgtccg tcgtgaagtc acgatcatgt caactttacc 240
 ggaacaccca aacgttgtga aacttaaagc gacttatgag gataacgaga acgtgcatct 300
 tgtgatggac tttgtgaagg agggtgagnt ttttgattcg gattgttgcc aagaaggaca 360
 ttatacagaa ncntgcgggc gggntacggg tcgccgagaa acaatngcgg g 411

<210> 15011
 <211> 329
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-F6
 <400> 15011
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 tgctaagcta aggaaggagt ggattgatcg tcgggagaag ctaggaacac caagatacac 180
 tcaaatgtac tacgctaagc aagggatcat aactgaggaa atgctctact gtgctactaa 240
 nggagaagct aanacccta ntttgnnang aatcagaaat tncncaagg nngggncnat 300
 tatcccttcc aacaangaan ncatttggg 329

<210> 15012
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-082-Q1-E1-F7
 <400> 15012
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 ttagaatctt gcctttttaca gagtaacact acatgccgac aatggggaat aagaattcga 120
 tgtgtggggtt aaaaagggtt ccgaactaca agaagtctcc gatcgggttca tttgcgaaaa 180
 actcatcatc tcacgacggt attaaaacia tcgaagctgt taacagttgc agtttttcta 240
 gaaaagcaag atcttttgcac ccgtatcatc acatggaaca tgaatggaaa tgtttcgtat 300
 gaggatttag ttgaagcttg ttggcaaaga aagggaagtt cgatttgctt gtcgttggct 360
 tgcaaggaag ctcccaaagc aaacgttgat caact 395

<210> 15013
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-082-Q1-E1-D9
 <400> 15013

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 ttgtggccct ctttatctcg gccgtgttag tgagctcagt ctccgcggct acaatggagt 180
 ctccagcacc atcaccaggt gcttcctctg cctccaccgt agcttttccg gtgggttggt 240
 ccattgttgc tgcatcactc tccgccttct tggtcttctt cttgcagtag aaagacaaga 300
 gtcccaaaaa tatgagaagg agatatataa caaaactctt tttttgttct gattttgttc 360
 cttagaatct atgatgacaa ataaccatt ttgatgtata atctcattgt gtaagttatt 420
 acactaatat atatgagtat atgataataa ta 452

<210> 15014
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-081-Q1-E1-A5

<400> 15014
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 agatcttggt gatnt 75

<210> 15015
 <211> 374
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A6

<400> 15015
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 tctccttcac cgctgtgaa gaaagctgcg gtggaaattg ttagtggttt aactggttcc 180
 gaggaagggt tacaatctct atcaaagtat tccgagattc ttcttccatc attgtctcag 240
 cttctaaatg aaagcaagga ggtatcagag ccagcagctc aagctcttgt taatctttct 300
 cagaagtgtg aattggcaaa gaagatgatt caaatgggtt tgattaaagt ggccatggac 360
 atgttgata agcc 374

<210> 15016
 <211> 330
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-081-Q1-E1-B10

 <400> 15016
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 ggacagatca agaacaatgg agagcttctc actttatctc tagataaatc ctctgggttct 180
 ggattccaat ccaaaaacga gtacttggtt ggtaaagtct ccatgcaaat gaagcttgct 240
 cctggaaaact ccgcaggaac agtcacaaca ctttacttga aatcacctgg aacaacatgg 300
 gacgagatag atttcgagtt tttagggaat 330

<210> 15017
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-081-Q1-E1-B12

 <400> 15017
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 taaagcttcg gtagttagag atgaatgcgt ccggcttaac tgttactccg cccagatttc 180
 actttcgatg gcgttctgat cgttttggta catctcagag aagctctcaa gcttttactg 240
 ttcttagcaa attgaataat cgaaattccg cttggcctgt tcttaaaagt tctcgtttgg 300
 cgcttcctac acaaagaaga aatgctatga tcactcgtgc catgagtgc tcccttggtg 360
 atatggcaga cgattcagct gctatcttcc ctcggatcaa tgt 403

<210> 15018
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-081-Q1-E1-B2

 <400> 15018

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 gatgctttat acacttttta tcacgaaata aagcctgaaa gtgttacttg cccaccaact 180
 cctgaatgga agaggctctgc cgagcttgat cttaatgggtg aagctgttca agatgatgat 240
 gatgatgatt ctccgcctga ccctgttcaa gaaatcaatc aggagaatgt gaagatgtca 300
 aatgatgaca ctttgggtga tgaaataccc cattatcagg aggaagctta ccggcaattc 360
 tgttataaaa tgcttatgat gaatgttggg ggaagaggat ttatgcaatt cccaggttcg 420
 caccctgtat cattagacag ggagagttt 449

<210> 15019
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-081-Q1-E1-B3

<400> 15019

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 gcacgcgtca agtcagcaaa agataaaaga actgaaacag tctctaaaca gcgagtttca 120
 actcattcac gagttatgcc tatatgtcct ctacagcttc caaagacaag agcttatacg 180
 tgctacactc tctgcattgc atgcctatct ttcttggatt ccgttgggat acatatttga 240
 gtcccccttg ctggagatcc tacttaaatt cttccctgtt ccagcatata ggaatctcac 300
 acttcaatgt ttgtcagagg ttgcatctct taattttggg gacttctacg atatgcaata 360
 tgtcaagatg tacagcattt tcatgaatca gttgcaggca attctccctt taaattttaa 420
 tatccctgag gcatattcaa ctgggaagta gtgaagaa 458

<210> 15020
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-B4

<400> 15020

ggnngggggn ngnggnaact cttacgcgtt caggtagcnc gtaangaatt canggntcga 60
cncacgcgtc aagccccacgc gtccgcccac gcgtccgccc acgcgtccgc ccacgcgtcc 120
gccacgcgtt ccgccccacgc gtccgcccac gcgtccgccc acgcgtccga agcatcgagg 180
acgcaacatt cgctcgttcc tcttgcgacc ctgattggta gggagctgag gagcgagaaa 240
gtagagaagc cttttgtcaa gtatgggtcaa gcagctctcg ctaagaaagg agaggactac 300
tttttgatca aaactgactg tgaaagggta cctgggtgatc catcatcggc tttttcagtt 360
ttcgggatat ttgacggaca caatggtaat tcagctgcca tatatactaa ggaacatctt 420
ctggaaaacg tgggtgagtgc aattctcaag gngcaagca 459

<210> 15021

<211> 380

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-B5

<400> 15021

tcttccatca tcgaacaagg ctatggagtg ggtgatgtca tttcccttct atggttcaaa 60
cgtagtctac ctcgttactg tacaaaattc attgagatat gcataatgct gtgtgctgat 120
cacggtecat gcgtctccgg cgctcacaac accattgtaa cagcaagagc aggcaaagac 180
ctcgtctcaa gtcttgtctc aggtttattg accattggtc cccgatttgg tgggtgccatt 240
gatgacgctg ctcgatactt caaagacgcg tgtgacagga atctcacacc ttatgaattt 300
gttgagggaa tgaagaaaaa gggaatccga gtccccggga ttggacacag gatcaagagc 360
agagacaaca agagacaaaa 380

<210> 15022

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-081-Q1-E1-B6

<400> 15022

agaatatata tttggaagtt ttctctgctt ttttgttttc gtttgataga atgggaacag 60
 ttctcgattc gcattttctg gctctcactg ctattgtcac tgtgatttac caagttcata 120
 ttcttcgtaa tcacggctct tttcaaattt gatcaagtca ctgactttgc tggtagcaca 180
 aacttcgtta tacttgctgt gttaacactt gttctcaaag cctcttggca ttttcgacag 240
 atagtattga ctttgctagt tgtggtatgg ggtcttcgct tggggatttt ctttctaagt 300
 aggatctgca atgggggggaa natngtcctt tgatgaacaa cgtggaaata tagtgagact 360
 aatcat 366

<210> 15023

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-081-Q1-E1-B9

<400> 15023

ttaccgcncg gtagccgtaa naccggnaaa ggcattcccg gctcgacnca cgcgtncgct 60
 aaatttgaag atgagaactt caagttgaag cacttggtc cagggatttt gtctatggct 120
 aactctggtc ccaacactaa tggttctcag ttcttcatct gcacagagaa gacttcgtgg 180
 cttgatggga aacatgttgt tttcgggaaa gttgttgatg gatacaatgt ggtcaaggca 240
 atggaggatg ttggctctga catgggaaat ccttctgaac gagttgtgat tgaagattgt 300
 ggtgagctca agaaccgaag ttcataagtt cttaaacaat tgggtgggtt gatcttgaca 360
 gggtattcta tcatatgctg tgaagcagag acagcatctt aancgtt 407

<210> 15024

<211> 346

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-081-Q1-E1-C10

<400> 15024

cgtgggcana agttcacctg tacaaccgat ggtccaatta atactgctgc tggcttgacg 60

tcacgcgttg aatcactcct gcgcaaactt aacagtgaat tcaccgtggt tatatcacag 120
atgaatggnc aagaccatgc atcacgatcc catgtattta ctggttgaaa ggcgaggata 180
aagctgtccc gaggatggat cacaaaggct agaagaaata taatcaaacc tccatgcagc 240
tctgtggagt gagaggcaat gctaacgttc ctgcaaaggg catttgttct gggcacctta 300
naaaggggtc taacttcctt actaactttc gagtcanagc aagaaa 346

<210> 15025
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-C12
<400> 15025

nttacatgcn cntacagncc canataccgg anaggcattc cggnntcgac acacgcgtan 60
gaagagactc tcgccgtcta atgggaagct gttggtctga tggctcttac gctggtggag 120
gaatggtcgg tggttggtggg ggggctaatt cctccgcgc cactcctaac gacgccgttg 180
actactatct caagtctcgt ggctacaatg gcctcttttc tcagatcgag ttatctttct 240
ctgcttccaa tttgcgagac cgggacgtga tttcaaagag tgatgcaatg gtggttggtt 300
atacaaaagg aagagatgga acacttgctg aattgtttcg tagtgaagtt gttttgaatt 360
ctttgaatcc taaatggatt aagaatttta ctattggta tcag 404

<210> 15026
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-081-Q1-E1-C2
<400> 15026

nttttacgcg ncnaggtgnc cgtanaagaa ttanaggctc gacgcncgcg tcaagctcgg 60
aatcaatggc gagtctccga agagtctgc tcaacgtaac ttcctattgc caacgttctc 120
tcaactcaatc gtcgtattct acgtcgggga tggtatcccg atcggtggtc aagcatgcga 180
acaatctcgg tcaaattcaa gctagacatt tcacgacaac gcttatgaaa tcgggaccaa 240


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<210>      15029
<211>      348
<212>      DNA
<213>      Arabidopsis thaliana
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<223> unsure at all n locations
<223> Clone ID: LIB25-081-01-E1-D10

<400> 15029

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cgtgtgcaac	ggtggctttg	aagtatcaaa	ggagagtttc	aggttcacaa	cgtttgttcc	120
caactcctat	cattcactca	atgcttgcg	ttgcaacggt	ctgcgtttgc	gtctgcgttt	180
tcatgcatgc	tttcccaatc	gtcagacaag	ggtctcactt	cagttgggga	ggtttggatt	240
atggctcaat	ctagagaact	atactatata	aaagtattat	aattttattct	tttggtttct	300
cgaanacaan	aaaataagaa	aaagagaaga	gacttttgga	caaataaa		348

<210>	15030
<211>	130
<212>	DNA
<213>	Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-01-E1-D12

<400> 15030

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actngatacc attcttcaag tgatnatatc accntctttg cagctcttgc aaanccccca    60
acttcacagt atgtgaacgc ttctcgttgg tacaatcaca ttgatgcctt cttgaggatc   120
tcngntgtct                                     130
```

<210>	15031
<211>	455
<212>	DNA
<213>	Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-081-01-E1-A4

<400>	15031
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gntggggnnn gnngnaactt taccgtccag gtgccggtna ggaattnacg ggtcgacnca 60

cgcgctcngca aattccctgg agacaaagaa gaggaagatg agtcatgga actacgttgt 120
 tacggctcac aaaccgacca gtgtcactca ctcggtcggtt ggcaacttca caagtcctca 180
 agagctcaat ctcatgtgctg cgaaatgtac tcgaatcgag atccatttgc ttaccccaca 240
 aggacttcag cctatgtttg acgttcctat atatggaaga atcgctactc tggagtttgt 300
 ccgaccccat ggccaagcgc aagacttttt gttcattgca actgagagat acaaattctg 360
 tgttcttcaa tgggatcctg agtcctctga gcttattaca agagcaatgg gggatgtttc 420
 tgatcgata ggccgggcaa cagacaatgg tcang 455

<210> 15032
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-G10
 <400> 15032

ctcttacgcg gttagnagc cgtnaaggaa ntcaaaggnt cgacncacgc gtcaagctga 60
 aatcccagat ccgaaaaccc aacaatggcg tcagagaaca acggatccag atccgattcc 120
 gaatccatca ccgctcccaa agctgattcc accgtcggtt aaccgaggaa gatagctctg 180
 atcacggaa tcaccggcca ggacggatca tacctgacgg agttccttct cggaagaggc 240
 tacgaagttc atgggtctgat ccgtcgatca tcgaatttca acaccagcg aatcaaccat 300
 atctacatcg atccacacaa tgtcaacaaa gctctgatga aactccacta cgccgatctc 360
 accggacgct tcctctctcc gtcgttggga tcgatgttga tcaaacctg acgaa 415

<210> 15033
 <211> 345
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-080-Q1-E1-G11
 <400> 15033

aatgaggcca tacgagatct gcttagctcg gatggtacat cactgaggct acgagacgat 60
 cctgagaaaag ggacagttgt tgaaaaagcc acagaggaaa ctctgcgaga ctggaaccat 120
 ctgaaggaaac ttctatctat ttgtgaagca cagcgtaaga taggtgaaac ctcatgaaat 180

<223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-G6

<400> 15036

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ncgtgnccna nacnccggat agnccattcn ggcgtcgaac cacgcgnccg ccaaaatacc 60
atttccatgt taggatcaga aaacanagng ctcnangtc cgatgatgtc tacctanagc 120
ttctcgtcaa gctttaccgg tttttggtga ggagatctaa cagcaacttc aatgctgtga 180
ttctgaaaag gcttttcatg agcaaagtca acanagctcc tctttcactc tctaggcttg 240
tanagttcat gactggcaag gatgacaaga ttgctgtggt ggttggaact atcactgatg 300
atgtgagagt tcatgagatt cctgccatga aggttactgc cttgagggtt actgaggang 360
gctagggcta ganttganaa agctgggtggg gat 393

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<210> 15037
 <211> 228
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-G7

<400> 15037

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gtcgacnnac gcgtccgna agacagagag agagggaggg ntngagagtc aggggctatt 60
tgattccctt ggaaaatttc agatatttgt ttcttcatct tctttcctta tttctctctt 120
ttctgttttt accagatttg tcttacgaac tcaattctca attgataccc anaagtggta 180
gggaagcaan gtactgtntt antttgcntt tgattctatc aanatcag 228

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<210> 15038
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-G9

<400> 15038

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naantcntac gcgntcnagg tgccggtaca ggaattaacg gntcgacgca cgcgtcaagt 60
cattaccttt cttcttcate ttcattctca cgcagcgact tctttgatcc nctcttttta 120
ttctcagctc caatttcaac ctgcatttct ctcttctcaa ttttgggttt ctttttttga 180

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tatctcattt gatcagatcg acgaagagag gaagaagggt tgagctgaga gatctttgga 240
 ggtagaaaga agatctcaaa aacgatgtcg ttanaggaa ctcagcagaa atgcagggcg 300
 tgcgaanaag acagtgtacc ctgtggaagc ttccccagct gatggaatct cttatcacia 360
 ggcttgcttc aaatgctctc actgcaaaag cagacttcaa ctgagcaatt at 412

<210> 15039
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-H10
 <400> 15039

ntacagnttn tntagccgta aatgccggca agggctnactn nacgcgtcag ctgcgtnccta 60
 tatccgtttt ccgatttagg gcaccaaatt gaatcaaaat ctccgcttct tcccaattta 120
 cgaaacttca cgaaaaatct tcttcggatt cttcttaacc ctttctctca atttttcttc 180
 cagagttttc taattgggca ctgtttctct tcttcttctt cttcttcttc cattgtaggc 240
 ggtttcgcgt cttgtcaccg aatgatacat tgtctcacgt gagaatgtca gtcagttagt 300
 gcaatgtcaa ancttcaatc aactcccaat ggggtcaactt cgaaattaac aaaagggctn 360
 ggnaaattgn ttaacggctn ctaatcngg aaaancnggt gca 403

<210> 15040
 <211> 187
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-H11
 <400> 15040

ngttagggtn aagtgtcacg atgatgacac gatcgggtgat cngaagaanc ttgtcgcgg 60
 acaaaccggg acactagccg agaagatcac gaattcanaa gtggtacaac atctacangg 120
 atcacatcac tctcaaagac tacgganac catgacgggc atggntccat gagctttact 180
 acancta 187

<210> 15041
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-H12

 <400> 15041

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gtacgcgnnc aggtngccgt aaggaattaa ggggccacgc acncgatncn ggnganaagg   60
gacanttcac cacggtcaca gccgatggaa acgaaaaggg tctagcgatg aaaatcggta  120
tcgtcctcca aaactgtcgc atcggtcccg acaagaaact agcggcagag agattaatcg  180
tggagtcata cttgggaagg ccatggaaga aattctctac caccgtgatt atcaactccg  240
agataggaga tgtgattaga ccataagggt ggaagatttg ggatggggaa agtttcacac  300
agtcatgtag gtacgttgag tacaacaacc gtggaccagg agctatcact aaccgaanag  360
ttaactgggt taagatcgcc aggtctgcag ctgagggtcaa tgactt                406
  
```

<210> 15042
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-H4

 <400> 15042

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natntccgca nttcaaatcc cgtccctcac aatgaatcat ccgatcaggt tgctgtggat  120
attgattacc accacaatat gttagcttca caccttaagg tgaattcaaa ggaaactatt  180
gtcggctggt attcaactgg tgctgggggt aatggcggta gttcgtgat tcatgatttc  240
tatgctagag aagtacccaa cccaattcac ctaactgtgg atactggggt tactaatggt  300
gagggtacta tcaaagcttt tgtctcttca aacctctcac tcggtgatcg acaactcgtt  360
gcacattttc aagagattcc tgttgatctc cgcattggt                398
  
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<210> 15043
 <211> 318
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-080-Q1-E1-H5

<400> 15043

tacaccgtcg tccagatttt tcaaacgccg acgaagctga tttagtgaat atggaatcta 60
atggatcagt ttcacgatg gttaacttgg agaagtttct ctgtgagcga ttggtggacc 120
agtcacaacc aatctcggag cgatttagag ctctcttctc tcttcgcaac ttgaaaggcc 180
caggacctcg caacgctcta atccttgcac ccagagactc atctaatttg ttagcacatg 240
aagctgcatt tgcattgggt cagatgcaag atgctgaagc cattcctgct cttgagtcgg 300
ttctaaatga tatgtcct 318

<210> 15044

<211> 390

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A1

<400> 15044

ttgaggagct tcaccgacgg ctaaaagtgt ttctgagta caaacttcat ttaccgcca 60
agcatttcct atcaacaggc gtggacatac ctgttatcca agagcgatgt gtactacttg 120
acgagtatat caagaagctt ttgcagctac aacgaatttc aggatcaatt gaagtttggg 180
acttctcag tgtggattct cagacttatg cgttctcaag ttcttctca atcattgaga 240
cgctaacagt taaacctgtc aataagacat ctactgtcgc taaaaatata gcaagtatga 300
ctcaggcagc accaggtcgg ctctctcgga gggaaaatct gagttctgag aatgggatat 360
cggggtcaaa atatgaggaa taacgttatg 390

<210> 15045

<211> 344

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-081-Q1-E1-A10

<400> 15045

cgataatcac gaggtttccc tcaattcctt tccattgcta aaccaggatt tgcctcctgc 60

atttggaat ggacgcttct atgattacna attccaaatc cattacttct ccaccctctt 120
tagccttagg gaagtcagga ggaggaggag ttatcagaag ttcactatgt aacttaatga 180
tgccaatcaa agttaanttc ccnanacaaa gaacncanac tctaaagggt agccagaaga 240
aantcaagan agctactant ggtggtcttg gtgttacatg cagtgttggt gataagattc 300
tcgtancgaa tcgaggtgaa attgcagttc gtgttatcag aacg 344

<210> 15046
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A11

<400> 15046

gattttttct gtgtcgcaat ctcttcttct tattaattca ttcaaaacag aaaagtacgg 60
gaaaaaggaa ttgagacggg ggggttcgat ggggtcaggt gcatcgaaga atactgagga 120
agatgacgat ggttccaatg gcggaggtgg tcagctctac gtttcactca aaatggaaaa 180
ctctaagggt gaaggagagc tcaactcctca tgtctatggc tctcttctc tcacggttc 240
ctgggacct tccaaagctc ttccgatgca acgtgaatct gcgttaatgt cggagctaag 300
cttcgttggt cctcctgac acgaa 325

<210> 15047
<211> 341
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-081-Q1-E1-A12

<400> 15047

tgttcttctt cttctttgca ggatcaatcg gagagttcaa tctcaacaga cgaccatacc 60
ctcgatacag tagctgctcc gctcatcaac gtccatttcg ccgcctttag ccgtcaacgt 120
tctctgggtc tgttgccgta caaaattctt aaagggttaat tagataagac ctaaaacggc 180
gacgtgtaag ctgtcgtctt cttgacctt ttggtgaact cctccttct ctctatcggc 240
tatcgctcgc tgcgtctctg tgtcttggtt cttggagcaa gctctccagc gctcaagaat 300
agataaaata aaattatgga ttcagatgca tgggaaatta t 341

<210> 15048
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-F9

 <400> 15048

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cacgcgtcaa gacgaaacta acgatgtacg aagcaatcaa agacaatgat gataatgatc 120
atcaatggcg agagaagaaa gacattgagt ctgctcttca gatttctcgt tcttcctctc 180
ttctctccga caaggaacga ttagtttccc ttgatgtctt tcgcggtctt accgtcgcat 240
ttatgatact tgtggatgat gttggaggga ttttaccatc tattaatcat tcaccttggg 300
atggtgtcac actagcggnt tttgtcaatg ccctttttct tatttattgt tgggtgtctct 360
cttgcccttg cttacaagaa cttgtcatgt aggtttgtcg caanaagaaa agctttttgat 420
tcga 424
  
```

<210> 15049
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-081-Q1-E1-A2

 <400> 15049

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atcgtctcct ttacttcatt cgtctttctt ctctctttcc cacaagctcc cattgatata 60
gagagagaga ttttaaggaag gaatcatggc aggggggtgga gctccagcac ccaaagcaga 120
cgaaccacaa ccacatctct cttaaagatca acttcccaac atttcttatt gcatcaccag 180
tcctctcctt tggcctgaag ctattcttct tggattccaa cattaccttg tgatgcttgg 240
gacaacggtg ctcatacctt ctgctcttct tccccagatg ggagggtggat atgaagagaa 300
ggcaaagggtg atccagacta ttctctttgt tgctggcatc aacacattgc tccaaacact 360
gttcggtact agattgcctg gctg 384
  
```

<210> 15050
 <211> 439

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-081-Q1-E1-A3

<400> 15050
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 ctgtttcatg gatgctattt tgccagtacc cgttgatggg ttcaagattc gacaccgggt 180
 ctggatcttg ttgcaaaccg aggaacaatc ttgaatctgg gacgaccaat cgtttcactt 240
 gtttcaacga atctgaatct cagagcaacc cttctccgac cgagtctaag gtatgttcag 300
 attaccttcc tgtctttaag tacatcaatg acatgttgat ggaagaagat cttgaaggtc 360
 agtcttgat gttggaagac agtttggtt tacaagccgc agagagatct ttcttcgaag 420
 tgcttcaaga tnaaactcc 439

<210> 15051
 <211> 349
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-D3

<400> 15051
 gaatcactgg tgtagtggt ggtgggttac atagtaagag ctctctgcta ctagtagaag 60
 aagaagaaga agattgatta taaagactta agatggctgc ggcgcatttt agtaaggaga 120
 gggctctcag agggtttctg gtttggttct gcttttgggg actgatgtct ctaacatgcy 180
 ctgggagact cagtgtttca aggcagaatt ttgaagtga caaacacttg aatcgattga 240
 ataaaccagc cgtaagagc attcagagtc cagatgggta cataatagac tgtgttcaca 300
 tatcgaagca accagctttt gatcaccctt tctctaaaag atnacaaga 349

<210> 15052
 <211> 345
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-080-Q1-E1-D4

<400> 15052
 aaaaagaaag gaggaagaag tatcggttctg aaagagggga gtctcaggaa aaaaaggaca 60
 gaattttttt ccggtgacag tgtcgggtgtc tctgacgctc ctctctgttt tcaatctttc 120
 tccgtctctc cctgaatgcc ttcgtccgta ttcaggaaaa ttgcggcgat tcatgggttg 180
 aggagcgaat acttaaaggg cacaatggat tcaagcgaag caaaggacac accatcttgt 240
 ggctgtatat agatccaagt tgattttagt gtttttaaaa aaaaatacga aattttgttt 300
 tagttgtgta aatatataaa taggagtgcc aaagagtttt ggcat 345

<210> 15053
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-080-Q1-E1-D6

<400> 15053
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 caggacacgc ttcccaagta tgccacaccg gctctcttgt cagctgacgt aaaaagcaag 120
 gcagaggcat tggacaagtt ttgcaggcct ataatgacca aaccaaagcc ggcgggctaaa 180
 gcagaggcac cacaagccaa gggaggtgag caggcggatg agggcaagag tgagccagag 240
 caaccagctt ctgccgaagc aatggagact gagaatcccg cggaaggtag tacctaaatg 300
 aatgacgaga gcgagatggg gtttgttgta tcgattttgt tttta 344

<210> 15054
 <211> 329
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-080-Q1-E1-D7

<400> 15054
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 acaagttcaa gattgaagga tgtaatgcac caattccaaa agcatttgga ctatcttcaa 180
 gaattttggg ctgtcttgga caatatcgat aaatctctat gtgttggtga tgtcaagcaa 240

ccagctcgtg cctctgctat tcgccggatt gatgctggga atgattgtat catcattgtt 300
catatcgact tcaaagaccc taaatccct 329

<210> 15055
<211> 348
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-080-Q1-E1-E10
<400> 15055

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gagcatttcc tgaccaccaa tccttactac gactctaagg ttgtgggtaa gtactgagag 120
aaacgtgatc ccactctggc tgttgtggca tacagaagag gacaatgtga cgaggaaactc 180
atcaatgtca ccaacaagaa ctctttgttc aagttacaag ccaggtagct agtggagagg 240
atggatggtg acctctggga gaaggttctt acggaagaaa atgaatatag gaggcaactt 300
atagaccaag ttgtgtctac tgctttacca agaaagcaag agcccaga 348

<210> 15056
<211> 325
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-E11
<400> 15056

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ttatgacaca agatcgctca gaaatgtctg aagatgacga tgaccaacaa tctccaccgt 120
tggatctacc ctctaccgcc atagctgatc cttgctcadc ttctcttca ccaaacaat 180
ctcgtaactg tatctcaaat tctcaaactt tcctgacca tgttctcgaa aacgtacttg 240
agaacgttct tcagttccta gattcaaaga tgtgaccgta acgctgcttc tctagtttgc 300
aaatcttggg tggcgtgttg gaant 325

<210> 15057
<211> 406
<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-E12

<400> 15057

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 tatgatttta ctctgagaat cagaagaaga aatctcgggtg agcaaaatcc ctagtttttg 120
 gatgatgttt ccacgactac gattgacgaa ggtcttcttc tccccgatca tcgccgggaa 180
 atggatcgtc tttgccgacg gtagcagcgg cggcggcggtt ggtagaaatg gctactacgg 240
 tggattgtgg tcgtcggccg ttattccttc caatgttggg ttagctgtcg ctgtcaccgt 300
 catggccgtg gccgtcgctt tcaccgtcta ctctcgtaga ggaagcattg gatcaccgtg 360
 gtcactaagg agaagaaagc gagttcttca acctaaacaa tggaat 406

<210> 15058
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-E6

<400> 15058

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 ggaatctttc aggttattcg acaagaatgg tgatggttcc attacgaaaa aggagctcgg 180
 taccatgatg cgttcaatcg gtgaaaaacc gacaaaagct gatcttcagg acttgatgaa 240
 cgaagcggat ttagatgggtg atggaaccat cgatttccct gagttcttgt gcgtaatggc 300
 taagaatcaa ggtcatgatc aagcgccgcy tcacactaaa aaaacaatgg gcggataaag 360
 ctcaactgacg attcagattc agaagtacaa gggaatcctt tcagggttat 409

<210> 15059
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-080-Q1-E1-E8

CCDS:146666.1

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aagttncata gttcanacgg ngaaggga 208

<210> 15062
<211> 338
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F11

<400> 15062

aacgcacaaaa tcagtttctc tttgagtaag tgtttattac aattaaacta actcaggcaa 60
gtctatgatac atggcttctt ctgctgctgc atcgatctct atgataantc taaggaaact 120
ctctcgcaat catcaatctc accaaagcac ttttctcggt ttctctagat ccttcataa 180
ccaaaggatac tcattctaaca gtccagggtc ctccacacga gcaagattca ccacttcctc 240
cactggaggt ttcttcagaa ccatttgagc cagcagtagc aatgactact ccagaccaac 300
taagatccan gagcttaacg tctacgagtt caacgaag 338

<210> 15063
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-080-Q1-E1-F12

<400> 15063

ggaggatttc atcatttcac caattccatc tctccttttg ggtcaaaccn aaacccaaat 60
cnaaaccttg nangtgtcnc tactggattc gtgtctctc ctttaccgtg tgactcttct 120
ccgngtgatt cgtcagcggc ggcggcngga gctttgggtg ctctctctc aggtgacacg 180
tntgtgaagc ggaanagagg acggcctaga aaatatggat aagatgggtg ttngtttctg 240
ttggcattgt ctccntctat ctccaacgtt tccccgaact ctaacaaacg tggccgtgga 300
agacctctg gctccggcaa naancaacgg g 331

<210> 15064
<211> 422
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-080-Q1-E1-F2

<400> 15064

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agccacgcgt ccgctttcaa acaaataaac tcagaaaaaa tggccgaaac cgaaacggag  120
tcgatcacca cctcttctcc accgccgatc tcagaaaccg aaaactccac cacattacca  180
acaacggaga cggagaagaa tcccaatccg gtaaccattt ccctcagaat ctggccaccg  240
actcaaaaaa ctgcgcacgc cgtgattaac cgtctgatcg aaacactgtc aaccgaatca  300
atcctctcca agagattcgg atctcttgaa tccgaagaag cttcctccgt cgcgaaatca  360
atcgaagacg aagcttacgc catcgcttct gccaccgat tcggtgatga cgacggggat  420
ng                                                                    422

```

<210> 15065

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-080-Q1-E1-F4

<400> 15065

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gtccgattgt attttctctt ttagggattg tttttttaac aatttttgcc ttgccataag  120
caatacaacc atggcaagga tctctctggt gttctcatta gcctttgttt tagccctcgg  180
ctcagtgttc ctttccgttt ccggtcacgc tcctcccggtg acaccgagaa aatcagcatg  240
tccaaaaaca gtatccgaac tccagacctt accttttacc gaaatcactg agatcctaaa  300
ccgaaaagag cggctctgcc cgaaaacccc tgagttcaag gcaatgttca caatgtgcaa  360
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```

<210> 15066

<211> 337

<212> DNA

<213> Arabidopsis thaliana


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<210>      15069
<211>      345
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-080-Q1-E1-D2

<400>      15069
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cagaaggaga	aaacagactc	cagatctttg	gccccaaaca	actcgaggag	aagaaggaaa	180
gcaagttact	caagttcttg	ggttttatgt	ggaacctctc	ctcttgggtc	atggaagcag	240
ctgcaatcat	ggctattgcc	ttggctaatt	gcggtggaaa	gccaccggat	tggcaagatt	300
ttgtcggtat	cgtttgtctt	ttggttatca	attcaactat	cagtt		345

ctaaaacatc	cttcttttact	atatatatct	ttcgctccac	tacgaagggt	atttttcgtaa	60
ttcgacacaa	ttccttacag	agaataagcg	aacagatcaa	caactactct	gcncttacag	120
gcgacgacgt	caacaacaac	ccanaatacc	aaaaaccctc	aaaagtctca	aacaaaactc	180
angacccaac	aattaaagaa	acaacatttc	antatacaga	tttacttcct	tttacagnnt	240
ttcctaagan	aaccggnagt	tganacaaac	annnccangn	nggacggtta	cctttttttcc	300
agtnga						306

acaaaagcta tctccgaggt tagagcaatg gcagctgtga actgccattt cttccagcta 60
tcacgacatc tcaaaccttc taggccttct ttttcctgct ctgcttctca accttcacaa 120
aacaacatta aggtaatcat aaatggagct gctaaggaaa taggtagagc ggctgtggtg 180
gctgtgacta aggctagggg aatggagtta gctgggtgctg tcgataatca ttttgttggc 240
gaagatattg gcttgctgtg tgacatggag gagcctttag agatacctgt agtgagtgat 300
ctaacaatgg tgttaggctc aatatctcag ggaaaagaag tcggagttgt gatcgacttt 360
acagaccatc aacagtgtat gnga 384

<210> 15074
<211> 368
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C9
<400> 15074

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gtcgggattc cagatctggt tgtctacgtc ttccttctgt ctctgtgttc atcagagtac 180
caattcgctc gattgttgct gcatttcgcg aattgtatta ggtttatagc gtctatgaac 240
tctgttttc gctcgatttg agtaacctag gtatttctct acgttgattg tttggatttg 300
aagaaaangc gcanagtatg agtagaaatt tcggaaagtt tcatgaagat ttgagggatt 360
gagttatg 368

<210> 15075
<211> 93
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-D1
<400> 15075

gannaatgtc cnatgacgcc attgagaagc ctctccaagc ttggctcaga actgccggcc 60
gtttctcgaa taattccttc angggattag nta 93

<210> 15076
 <211> 129
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-078-Q1-E1-D10

 <400> 15076

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 ctctaang 129

<210> 15077
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-078-Q1-E1-D11

 <400> 15077

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 taatgctgaa tccatctatc attttcccg caaatccttg aatcgagttt cagtgttca 180
 aactgggaac tacgtctctc gtaaaggcaa ttcggttgctt aaaaaccgac attgtggtga 240
 aatttcncgt gtgatcgtaa aatccgcgc ttcttcagtt gggaaatgca gaggactacg 300
 ctgaagaaac ggctacaagt gtaaaagttt aagagatcag tgacattacc gggttgttct 360
 agcccggtgt cnttgctcgg cactgggggt taggganaa 399

<210> 15078
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-078-Q1-E1-D6

 <400> 15078

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agtaattgaa atctctctca gccgttggat tcgaattccg ccgcatcttc atatacctcg 120
 tttcaatcct gcggaaccct agttgctctg aattgtgggt tgctactgtg ataagttctt 180
 cagtgggtana ttaggaagca ccaccaatgg agattgtgta agacatattc attacagctc 240
 tcttttaagg attatgggggt ctgtttgctg tgtggctgca aaggacagaa atgttcccag 300
 tggagctatt gataattcag tgtgttcacc atcgtggagt ttcgacgcg gacaacaang 360
 aggcnntgta ngctgatgag attannagat tcacttang 399

<210> 15079
 <211> 326
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-078-Q1-E1-D7
 <400> 15079

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 aaaaaatgat gtcttacgtt gctaacttgg tcataagag ttttgaccgt gcttccgtgg 180
 tgtatgttga agatgtgggt gatagctctc gagcgacatg tgttgagaat ggtggngatg 240
 acgatgacag tggctatgat tatgctctcg ctgcgtgatt gtctcctatt agtataatgt 300
 aatttagaag aaanaaagaa aaaaag 326

<210> 15080
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-078-Q1-E1-D9
 <400> 15080

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 ccttgctcatg accgtattcg atttttctca agtgatgatg gtattggtag gcttggcatt 180
 acaagaaaga ggatcaatgg cactttcttg ctcaagattt tacctccaat ccaaagtgct 240

ggaaaaagta tcnttcaaag g

381

<210> 15083
<211> 193
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-E8

<400> 15083

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tcggggaatc ttgtttctgt tccgggagtt caaggaggaa aggntcaacc tccgattant 120
cgaccatta ctgangttt ccggtgccag ttattaggcg aatgcccaac tcgagngaaa 180
gccaatcaan gga 193

<210> 15084
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F1

<400> 15084

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ctcagctgtt cctcctttgt tccctantcc accacctcca ccaggcacca tggaaacctt 120
gagaaaagcta nacttgtgtg attctgtcgc tgctgcaaaa aaaaatgaat gaggtaaaaa 180
ggatttgggt gtgagaccat gaagattaga agctaaacac aagtcagcca nanccaaact 240
acnaangatt tcatttggcn ttactatata caaacacggg gtgggttact ttaccacaca 300
gcattgtcnt tcntttcntt ttttgggttg ctgttttgtt cttgtgagat atcatatnta 360
tctatgcgtt ttactcngt atatgtttga taccaaang 399

<210> 15085
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-078-Q1-E1-F11

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ataangatct ggtctggttag actccgcgtc gtatcgtgca aggatcnatg cgagatccgc 240
ctcgaggatt cnaattccgg tgatnttttc gcaacttggt ttgtggatcc tgaacgtana 300
gagaactcng tatagccgtc tctcanattc nntangtat ttcgttctca nagnttgntg 360
a 361

<210> 15088
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F7

<400> 15088
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<210> 15089
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-C12

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gnngnnanat tgaantcggc ctttttcccg acaatctgag tttctcaggc agagaagaca 120
gagattttca ccgtaagggc aaaaaacgaa aaactctgtc tctctgtttc tgtttcgtcc 180
ttccttggtt ttgatttctt acaccaaaaag agacatcttt aaagaatctc acattgttcc 240
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tttctttaaa ttctctctct gttttctttt tgttctcgtc ggagtaagaa agagatggag 360
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aatgcaaag tcaatgggtt tggg 444

<210> 15090

<211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-077-Q1-E1-G8
 <400> 15090
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 ctcttatagt tggttataac cacaaactac aggttgctcc atataatata ttttactcac 180
 acttggagga gcacataacc gaggtaggaa ttcagccaac tatcaacaaa tggaacgaat 240
 ccttggcgct cggagcaatt gatccgcatg actcactatc acatccgact ggtgcctctg 300
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 gatgcatat 429

<210> 15091
 <211> 90
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-H11
 <400> 15091
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<210> 15092
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-H2
 <400> 15092
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<210> 15095
 <211> 148
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-H8

 <400> 15095

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 cgtcgctgaa tttgngtac aaagcaattg gtgaantggg gtttaactga antgtttggg 120
 ggatnaaaaa ccttcaaatt ggtgcngg 148

<210> 15096
 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-077-Q1-E1-H9

 <400> 15096

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 gtctcgacga gagaatctat gtcaagctcc ggtcagaccg cgaacttcgc ggcaagcttc 180
 acgcgtttga tcagcatttg aatatgattc tgggtgatgt tgaagaaact atcactacag 240
 tagaaatcga tgacgagaca tatgaagaga ttgttcggac tacaaagcgg acgattgagt 300
 ttctattcgt gagaggagat ggagtgatat tgggtgtctc caccgctgag gacagcagcc 360
 tgagttcaaa ctcaaattctt ttgtgtcc 388

<210> 15097
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-078-Q1-E1-A1

 <400> 15097

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 taaaaccgaa ggaaacttgg gttcgggcat ctcgccaaac aacaaagccg ttcttgatta 180
 ctgcaagaaa gttttcatgt acgcgcttga ggatctcagc accattgttg aggaaatggg 240
 tgaagatctt aaccagatcg ggagcaaaat cggccagcct aaacaanggg taanccgggtg 300
 gttannaaat accaaaacct gantggcctt gaccagntcn nagnaagatg anttttagaa 360
 agaccantnt ggnaaggnaa ttncagctc caanagtttn cccnccg 406

<210> 15098
 <211> 385
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-078-Q1-E1-A10

<400> 15098

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 ttttttgctt tgtttctgtg ctacgatttg tcaaaaaaaaa gaaacccaaa tcaaaagctt 120
 cgaaatttca taagatttct ttgtttttct gaagatccaa ggcacacaaa aaaacagctt 180
 tttttgtttc ttcaatcaag gattttccag ggttttgata accccatggg ttcaggggttc 240
 tctctgtttc aaaagaattt atccgtcctt gttatgggag atcgaagatc tgttgcagcc 300
 tgggttttagg agatttgcct gaaagttgtg tggctttgat tctccagaat ttggatcccg 360
 ttgagatctg tagattctcc aagcc 385

<210> 15099
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-078-Q1-E1-A4

<400> 15099

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 gaaacaatca gtctcataaa gtggcaaaga tggttgcaga acgatacaca gtcgatttga 120
 ataagccact tgtgtttcag gttggctcctc ttggcgaaga atatcaggaa tggattcatc 180
 aacctattgt atgcgttgag ggtcctcgtt ttttcgaaag tgatttttgg gagtttttga 240

ctcgcacggt ttggtgggca ntcccaacaa tctgggcttc cagttgtttg ctacgttctt 300
tcaatatcgg cgaagtaagg gacttacgtt tccccagatc ggtttaataa gttgcttttg 360
gngtactcac gtggacactg ctcgaagtac acgcttcac 400

<210> 15100
<211> 363
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-A7
<400> 15100

cgatattgcc attctaactg gagcaactgt gatcagagag gaagttggtc tttctcttga 60
caaagctgga aaagagggttc tgggtaacgc ttccaagggt gtcctgacaa aggaaatgac 120
aacaattgtg ggtgatggga ccacacaaga agcagtgaac aagcgtgttg tacagattag 180
gaatcttatt gagcaagcgg agcaagacta cgagaaggaa aaattaaatg agagaattgc 240
gaagctctct ggtggagttg ctgtaattca ngttggagct caaactgaga caaganctca 300
aagaaaagna actgaaaatg ggaaatgcc taatggcaaa aanggctgct gttnaaggaa 360
ggt 363

<210> 15101
<211> 119
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-A8
<400> 15101

aattgccttg aatggncctg caacttcttc accaancaat tctccggcgt tgatatactc 60
tccggcagaa ggtaatcttt tcatcaaggc cagtaaagat cgagaaagtc ngaangcga 119

<210> 15102
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations

<223> Clone ID: LIB25-078-Q1-E1-B2

<400> 15102

ctctctaaca agaagaacac cgatgaagaa atcttcatca agctgggatc tgacaaggaa 60
 aaacgcaaag atgctactga gaaggccaaa aagtcgttga gcattaatga gttcttgaag 120
 ccggctgatg gaaagaggta caacgggaga ggtggaggct cccgcggaag aggaggtcgc 180
 ggtggctcgtg gtgaangagg aaaccaaagg tatgcanaag aagctgcagc tccggcgatt 240
 ggagacacag ctcaagttccc ttcgttgggc tagtaaagac ccctgggtcc ttcagcctcg 300
 ctatctctgt ctttcgtttc tctttgggtt gaattttgtt agttttanaa ntttttgta 360
 cacnttctga aggtcttttc tgcgaaacta ttacnttttt t 401

<210> 15103

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-078-Q1-E1-B3

<400> 15103

atctaaccce tagtttttct ttatatataa tgtgaatatg gaaaacacaa gacttcatct 60
 tatattcacc aatcttattc ttattttctc tctgcagttt tcaaaaactt tctcactggt 120
 atctgctctc cttttttgga tcaatggcaa acgctgaacg tatgataacg cgcgtccaca 180
 gccaacgtga gcgtttgaac gaaacgcttg tttctgagag aaacgaagtc cttgccttgc 240
 tttccagggt tgaagccaaa ggtaaaggta ttttacaaca aaancagatn attgntgaat 300
 tcgaagcttt gcccgacaa acccgggagg aaaacttgna angggggncc tttccttgac 360
 cttctcaaatt ccactcaagg aagcaattgg ngttgccac c 401

<210> 15104

<211> 581

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-078-Q1-E1-B4

<400> 15104

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 agaatcctgg natttgangg caattgacaa ncaaaatnaa nggaactggt cnaanantta 120
 tgggcaattt gaatgttacc gaagtcctag aaaanggggn gaaaagccga attaattaag 180
 tgggatttga caaatgggtt cccctcctgg tttgggtgga tctctacag ggaatttggt 240
 gaaaatcaaa agtcaaatgg gctcccttat ggggtgcattt tgttagaaga tagcgctggt 300
 ggcggggaaa ggtccttttg cccaatatca agttgagcct tgaagttgct gaaatggcct 360
 ttgcaaaaac caagaaggga attgcctata aaaagttatg gaagaacccg caatttggac 420
 cgttcaaaat ttaaattaag anggtaaaaa ttgaaaaaag ggggtcaagct tccgaacttt 480
 aagttgttac ggggctttta ctttccccga aatcaagagg aacaagaaca aaaggaccaa 540
 gtccangaaa accaaacaan ccgggcaagg ntgaattcta c 581

<210> 15105
 <211> 367
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-078-Q1-E1-B7
 <400> 15105

aacttgaaca cgaagttaat gaaactatca ggaagtgtga tttgtagagt tgtatttggt 60
 atcaatctta aaggaagtaa acttgagaat ctttatgagg aagttattca aggaaccatg 120
 gaggtgggtg ggagttttgc agcagcagat tacttccga tcattggtag aatcatcgat 180
 aggatcacag ggttacatag caaatgtgag aagattttca aggcaatgga tgcatttttt 240
 gatcaatcta taaagcatca tctagaagat gagagtatta aggatgatat cattgacttg 300
 ctctcaaga tggaaagggg agagattgaa cttggggagt ttcaacttac tcgagacaac 360
 accaaag 367

<210> 15106
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-078-Q1-E1-B8
 <400> 15106

aaaccagct ctcttagctc tcacgcctcg tcaattggtg acctgtagga tagatatggg 60
 caacgagagc aaaacctcgg ctttggaatc ggagcagaag gctcttcttc tccgttcggt 120
 agctcaatac ttggaacgat gtgggtttttc caaatgcttc aagaaattgc tctccgaagc 180
 tgaaatcgag aagaaggaat tgaacactag tttacctgat ttagaggaaa ttttcagcga 240
 gtttttgaac aagagagatc atgaagctgc agctaattgga aataccgagg cgaatgtagt 300
 ggaagctgta gagaatgtaa agaaggataa gaagaagaag aagaacaagg aaacaaaggt 360
 ggaggttaact gaggaagaga agg 383

<210> 15107
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-078-Q1-E1-C10
 <400> 15107

gagaagaaga gaataaacia aagaagaaaa aaaactaata aaacaaaatc aataaaaaga 60
 gaataaaaaa tgggtgggttc tcacaaagca agcggagtgc ttcttgtgct actagtgggt 120
 atggccacca caatagcaaa cgggacaccg gttgtcgata aagcaaaaaa tgcagctaca 180
 gcagttgaag gatacagcac anaatgcagc tacagcantt ggcggtgcag ctgcatcagt 240
 tgggtgctaaa gtatcangtg tcaaaccaan gcgcancaag tttgatgtta aagcatcagg 300
 agccaaaggg agacagcaaa antgatgatt agtgcgggca tttgcnngctg catggaaang 360
 aangccttgt gcangcangg gnngcncaat tntcagt 397

<210> 15108
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-G6
 <400> 15108

tcttttgatt ctctcgctct ctctttcttc atcgctctt cgagcttcga tggttgggaa 60
 tattctggtg accggtggtg ctggttacat cggaagtcac acggttcttc agcttcttct 120

taacccgatc aggcaagtcg tcccggagga naacgatgaa caactcntca angcagaaca 180
tnacttcact ctantcaaat ccaagtacga naagacttac gcgactcang tagagcacga 240
tcatcggttc cgtgtcttca aagctaacct aagacnagct angcgттаac cagcttctan 300
atncgtcngc cgtccacggc gtcacgcagt tctcaagatc tactccgnaa ngaattcngc 360
cgchanggttt tta 373

<210> 15111
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-D1
<400> 15111

ttaattaact ccggcgattg atcactccgt cttctttgta acacagccgg agaaaaatcg 60
aaagtttcgt ttttttcttc tccttcgtag ctaattcgcc gtcgatttta taattcggca 120
gccatgagct cggttttgca gggttttacg aagtcacttg cnatgacctt tgtatcggag 180
attggtgaca agacgttttt cgctgcagca attttggtcta tgcgttatcc tangagactt 240
gtgttggtcg gttgtttatc ggctctgatt gttatgacta tcctctctgc tactcttgga 300
tgggctgctc ctaatctgat ctctcgcaaa tggactcatc acataacaac attgttggtc 360
cttgggtttg ggctaaggtc tttgtgggac gggttcaaag aaaggaggan ggggttccga 420
aaaa 424

<210> 15112
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-D3
<400> 15112

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gttggtatggc ggtagcgtgg taccctatct accatattcc aatgggaagg accatcaaag 120
atttgtccac ttgtttcttc acttatcaca ctctttcatc ttctttccaa gatatggagc 180

canaagaaaa tggcgggggaa aaggagagga tccggaagga aggagaaggt gtaactttgc 240
 ttctttttgg gttagccact tataagatgc aaggcaatgt ttggctctcg gaagacgatc 300
 aaggtaaga tcaagagcga gttcttttcgc ttctaagtgt tgcggattct tggctaaaac 360
 agctaagagt ccaacaccat gacttcaact acttctcaaa gaatggctca accgttgctg 420
 aaacaa 426

<210> 15113
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-D4
 <400> 15113

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 tataaagatg tcagctttgt gtctgtctg caatctcacg ctctctctc ccctaatacca 120
 aagccatgtg aattcccact tgaaggacg atgaaatcaa tccacaaatc gaaaccgatc 180
 accacttggc tctgcaactc gcttctgatg atcattcttc tgatgatcct tcttcgtctt 240
 cctctgcttc atcatctaac aaagttgcct cctttgggcc cagttaacag gnctaaagag 300
 tccaattcaa tagngtangg gtcaatgggt ggttttgaat tggnttgctg aaggaaactgt 360
 ctgggagtcga agaactgaaa ttgaagtcga aacctttaga agtgtagtac tagtttacta 420
 tcaaggcttt gttgatcant tt 442

<210> 15114
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-D6
 <400> 15114

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 gatgcaaaac atcacatgga tggttatctt cttcttggcc gtgagttgac tgtcgtgttt 120
 gcacgaagag aacagaaaga aaccgactga aatgagagca agggagcgtg gtggatngaa 180

7303 "the same"

<211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-F2

 <400> 15119

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 aagaagaaga agaagaagtt ctggaatagt catcatcttc tctgtttcta ggctttgttt 120
 atttgtctct aaagtttctg gattcaactt ctgaagaaga tagtagtagt ccacaagaag 180
 gatcttcttt acaaagttga tttggtcaga gccaaaggaag atgggttaca tgtgtgactt 240
 ctgtggtgaa caaagatcta tgggtgtactg tcgatccgat gcaacttggt tgtgtctctc 300
 ctgtgaccgg agtgtcaatc cgctaatagca attgtccaaa cgacattctc gggcacttgt 360
 ccggcganga gaatgcaatg ctcaacctg ctactggta ngtgttggtg aaagaaaagg 420
 gtttcactcc gtcaaaaa 438

<210> 15120
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-F4

 <400> 15120

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 gaagcttgct gattacataa ccattttggc cccttccaac anacagccaa agcttttgcc 120
 ctgtttttgc ttgttggtca agaaaaacaa tatggagaga gaggagagaa aacgaaagag 180
 aatgtttttc taagaatggt gttttgtaac taagactgca tatataatgc gcagttttcg 240
 gattaatatt cnnaatagat ncaagggtcc cttttccacn ggaaaatggg gnaaatccaa 300
 aataccctag atccttatac caaagtatnc aaatcncnc cgnntacttc natcaattag 360
 gtcccctaac ctggcncncn aangnttatt aacctanatg ggcccaaac aatatccttg 420
 gaggaaaaaa' aaa 433

<210> 15121

<211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-077-Q1-E1-C7

 <400> 15123

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 gtaagaatgc tcaagaaggt gaaatcaaga aggcttatta tgggcttgct aagaaactcc 120
 atcctgatat gaataaagat gatccagaag ctgagacgaa gttccaggaa gtctcaaaag 180
 catatgaaat tttgaaagat aaggagaagc gtgaccttta tgaccagggt ggtcatgaag 240
 catttgagca aaatgctagt ggtggatttc caaatgatca aggcttcggt ggtggtggtg 300
 gtggtgggtt taaccattt gatattcttg ggagcttcaa tggcgatatt ttaacatgt 360
 accggcaagg atattggagg tcaagatgtc aaggttttgc ttgatcttcc ttcatggga 419

<210> 15124
 <211> 265
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-075-Q1-E1-E3

 <400> 15124

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 ccgtcaatcg gtcattggcg ccggtaaaac ctcttcgcc gcgaatcttt tcaactggctc 120
 gacgcgtttt gatttatcat ccgctgante gcctccttca aaactctctc nctcctccga 180
 tcagntcaac cactgccacc aagctctcgg cgttttccgg ggaaagatcc anaatcctga 240
 ctcgatacct catgagttta cnggt 265

<210> 15125
 <211> 253
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-075-Q1-E1-E5

 <400> 15125

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 ttccgagaat attctctcct tctcacgcat accctagaat attgtttcgt ctctcttctt 120
 tctaggtttg cttatttgcc ccaactcgac gcgaatcatc agcttttana aattctgtca 180
 actcaaagat tgtttctgaa ttggaanctt acagagggtt agcttgagat gatatgacta 240
 ntcagcagga gca 253

<210> 15126
 <211> 253
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-075-Q1-E1-F1
 <400> 15126

ggtacaataa aatcccagaa cgaaatctct acgtcgaaac catgtccagt ttcttccctt 60
 tgccgccagc catcgggaaa tccactggat gtggagtgcg tgatgaatca caatcattag 120
 ttgtatgggc cattgaggac tactcaatcc ctgaaagtat cgatcctgat atgatcaact 180
 tgaaaatcga aacagctatt gtcaaaaaat ttaatttaag gtcgtcggcg gtagtgacaa 240
 cctggatttt cgg 253

<210> 15127
 <211> 261
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-075-Q1-E1-G1
 <400> 15127

ttataactcaa ggttgggtgt ctggcactgg cggtagcata acgatgaaag ttcattgatgc 60
 ttcgattcct aaaccggagc aacttatcgt catgtctcct tcagggtgttc aaaaggagag 120
 gatgcaacct gaggatatgt acatcttata tgctaattga tccatcatat ctacaccctc 180
 tccaaagcca tacccaaata agcctcccaa gtgtaccgat tgtgctccac ttttcatgaa 240
 ggcatatgag atgcgaaatg c 261

<210> 15128
 <211> 256
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-075-Q1-E1-G2
 <400> 15128
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 ctacaggcgg agagacttat caaaggattc aatttgatgc ctacacgca cgtcaatgtc 120
 atcgatgaag aaggttctga ggctccgaga ctggctgaga gagcattcga tttgccggcg 180
 gcggttgacc gtcgtggctc cgggtggttct ccgtcggttc aagattttgg tcaccatgct 240
 ggttactaca aactcc 256

<210> 15129
 <211> 262
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-075-Q1-E1-G3
 <400> 15129
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 ggtatggatg tcttgaaggt cagggaantc gctaaagaag ctgtcactag agctagaaga 180
 ggagaaggtc caaccttggg tgaatgtgag acttatagat tcatgaggac actccttggc 240
 tgatcccgat gagctccgtg at 262

<210> 15130
 <211> 261
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-075-Q1-E1-H1
 <400> 15130
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 atttattaat aaaaaaaat aaaaagaagc agaaaagaga taatgcaggg tggtaggctt 120
 ttgacgggtg tgggtgtgct cgccctccacg gtggcggttg tgagcgccgg tgacccttac 180

ttctactaca cgtggaacgt aacctacgga accgccgcgc ctctcggaat tcctcaacag 240
gtgattctca tcaacggaca a 261

<210> 15131
<211> 266
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-H4

<400> 15131

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cacaatacaa ctttacggcc tgcggttttg gatgcaataa cacgagtga aaaagtctac 120
ggggcgaaca tcaacatcat agtgaccggt cattcaatgg gaggagccat ggcttccttt 180
tgtggtctaa gacctagttg taaatgaagg tgaagaaaac gtacaggtta tgacatttgg 240
gcaacctcgt gttgggaatg ccgctt 266

<210> 15132
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-H7

<400> 15132

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tggcaatggt gggtggcncn ataaaacctg gtaacaaaaa ggaattanna ccgtgccctg 120
ctggttgtga tttccccgat gtatatatttg ctggcgttca tgtcacttca gccccacaaa 180
gaagaaagggt tcctttatcc tatataccct cttatttgtg tctctgcttc tgctgttatt 240
gagaacatcc t 251

<210> 15133
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-A1

[illegible]

<210> 15134

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-A11

<400> 15134

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ctcgttcaga tccaccgtca cgaatccatc cggaaccacc acaaacccta gaaatcgacc 120

atttcgatca tcttcctgac tcaatcctcc tcttcgtttt caacaaaatc ggcgacgtca 180

aagctctcgg aagatgctgc gtcgtttcna gaagattcca ttctctcggt cctcaagtcg 240

anaacgtcgt tgttcgtgtc gattgcgtaa tctccganga cgattcgtca tctttgtcat 300

ctatcaaattc tcgctccggt tcttccgctg gttcgttctc ggctanattt cgtcctggtg 360

ttgggtggca ntgttaagcc gttacaagct ttaggg 396

<210> 15135

<211> 354

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-076-Q1-E1-A2

<400>	15135
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agatctgtgg tgacagatca tcaacatcaa caacagcctc ctcctccgtt tcaaggcgtc 120

tctaactatc caccgcagca gcagcctccc gccaccgggtt atcctcagcc tgctcagccc 180

tacgccaag gttatgttgt taatggagta agaccaacag aacacggtcg ttgttgcggt 240

atcggcattg gctgggtatt attcatcctt ggtttcttct tcgctttgcc ctggtacatc 300

ggttttcttcc ttctattatt ctctaaggaa cccgcgtgag agaccaagga tata 354

<210> 15136

<211> 324

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-A5
 <400> 15136
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 tctatatattt ggtggagaat gttgttggac gataataaac atatgatttc agtgcaacgc 180
 ggctttaaga gtcgtgggtca gatgaaatat ctgagttaaa agatttgatc aaatggctaa 240
 tcgctgggtct gcaaaataat ttggtgatcg attcatcctt tccgtcggga actctgaggt 300
 tcagggcgac tanaccaaag ggaa 324

<210> 15137
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-A9
 <400> 15137
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 ngnaannttg gcgngcttac gtttataatt tgattattat attctctcc catagttcca 120
 cggcggagct ccgcaggcta ctgcagccat caaaaaccga tggtagctg agctttctcg 180
 ttatcggaga ctggggaaga agaggctcct ataatcagtc ccaagtagct cttcagatgg 240
 gagaaatcgg agagaaatta agatatgat tttgtgattt ctactgggag ataattttta 300
 cgacaatggg ttaaccagct tgcacgatc tctatttcaa agattctttt accaacattt 360
 ataccgctcc gagccttgca gaaaaccttg ggtaaagtgt tt 402

<210> 15138
 <211> 374
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-B3

<400> 15138
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 gtgtttcacg tcgttcangt caaattcact ttgatgacca aggcgatggg tattgcacaa 120
 gcacacattg gagttgaagg agacctcgct gttaagttgg gcaaaagcta caccgtgatg 180
 gctgaaagggt ttgtcaancn tttggagatg atgtctacgg tctcggccaa gtanaagttc 240
 natgctaata ctaagatnag cncctagggtga tagtgcnag attgaanaat gtgtgataaa 300
 tttanaaagt gccngtanag tctnacctga acgtgatctc tcangtgcag gcaccganan 360
 gtcctcngng gggg 374

<210> 15139
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-B4

<400> 15139
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 ttgataagac tggttaagggt ctgatcgaag agcttcagaa gaaagctagg cccgtgaaag 120
 gtcgtgatga catcagagct gtggcttcta tctctgctgg aaatgatgac cttatagggt 180
 caatgattgc tgatgccatc gacaaagttg gacctgatgg tgttttgtcc attgaatctt 240
 catcttcttt tgagaccacg gtcgaagttg aagaagggt ggagattgac agaagttaca 300
 tctcgctca gtttggttaca aaacctga gaaaactact aanctgagtt tgnnaaatgc 360
 taggg 365

<210> 15140
 <211> 373
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-B6

<400> 15140
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tgggtagatt gnaagattgt ctgcaagtta ttggtggaca gtaaccggat accagaatct 120
gctctgatgg cacgttctta tcttccaagc aaagtttcgg gagatagtag ctctatggag 180
ggaanatctc ancaaggtta atccaaanng canctgaate tttagctgat cctgaanagt 240
actcaaatct ttttgaggan tggcaagtgt gccctttctg ttgaaggcaa cactgcagag 300
acaaggggga agtttatacc gctggcagaa aattatccca tccccanngc cgangnaacc 360
ttccaattnn ccg 373

<210> 15141
<211> 170
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-E2

<400> 15141
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aaagtgaatc tgaacataga aagtggagct ggaagggtga ggaangcgag aaaagcagca 120
aggctcgcaat ggcttcannc ctnanatncc cnatggaant tcaaaacnna 170

<210> 15142
<211> 360
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-076-Q1-E1-B7
<400> 15142

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atggaaactc ttgatattgt acaggaggaa ggcaccacca gttcatatgt gcaacatact 120
ggaaagttgc aacaaaaacc tagattactc gagactgtgg ttgaagaacc tgagcctcat 180
tactccgctg gtgatactgg ttatttttcca atgggtacga acgagtctga gtttatggcc 240
aatgtggaat caagaaacgg tttcagtact tatgaagatc ttcaagaaga agaacttaat 300
attcctgaag cccccagaga aacgggttgg gagatggagg cgcaaaaatg cttctggcgg 360

<210> 15143
<211> 355

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-B8

 <400> 15143

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 ttctcttccc ttctcatggct caaggccaca tgattcccat ggntgatatt gcaaggctct 120
 tggctcancg aggtgtgctt ataacaattg tcacgacgcc tcacaatgca gcaaggttca 180
 agaatgtcct aaaccgtgcc attgaatctg gtttgcccat caacctagtg caaagtcaan 240
 tttccatata aagaaagctg gtccggcang gaanggacna agaaanntat gggatttgnn 300
 ttaccacgna tggagccngn taacatcttt cctttaaagc ggtttanctt acgca 355

<210> 15144
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-B9

 <400> 15144

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 atgaggcagt tggagacgaa tgggtaanaa ccgggaattg tcctancgn aagtctttta 120
 gagctgcaag canagtcatg cctcttattt ctaaagcatt aacgctacca cctgggtatga 180
 aatatatatg tccagctcct atagtacctg ctagagctgc actttcgaag actgctttgg 240
 tcaaaagtct tcgccctcag cctttacctg aaaagatgct tgcaatcgct ctcatgggaa 300
 tggctgcaaa tgtgcctcna ngtgtntgga nagancacac angnangttt tcgcctgcat 360
 ggggttttgg cagtcnaatg ctgctgtgcc atttanaaca 400

<210> 15145
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C1

<400> 15145

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caagaagatg ttactgctgt tgctactaac ggtgctggtc cggaggagac gcatcttgct 120

ttcactgagt tcaagcagat gttgctcggt gaagctcaaa aggtcgggtga cgctgttact 180

ttctacaaat ctgcttttgg tgcgatcgag tctggtcatt ctctttacc taagcgtaaa 240

gcttgaccaa agagcttctt catgttctct cttctgagct taatcncctt gngcttccn 300

tcgntgtttg gnangnttnc cgcgccccng ggggggtttt aaaggggtna angng 356

<210> 15146

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-074-Q1-E1-F5

<400> 15146

aaatcttcaa cacttaata caaatctcaa agcttcggat accaaatggc tcgtaccaag 60

caaaccgcaa ggaaatccac cggaggaaaa gccccaagga aacaactcgc aacaaaggcg 120

gcgaggaaat caagctccgg cgaccggagg agtaaagaag ccacacagat tccgtcctgg 180

aactgttgcc ctaagagaaa tcaggaagta tcagaagagc actgagcttc tgatccgcaa 240

gcttccgttc cagcgtttgg ttcgtgagat cgctcaggat ttcaaaacag atctgcgttt 300

ccaagaagca gcgcgctcgc agcacttcaa gaagcgggct gaagcatacc tccgttggn 360

tgtttgaaga caccaaattt ttgcggcgan tcatgntang angagtcact atcatcctaa 420

gggatatncc aattggggan ggg 443

<210> 15147

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-074-Q1-E1-F6

<400> 15147

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664430"1436660

taagtgggtg gttcttagat atgctgttct taatttaca gtaattcaag cagccattcg 120
atttgccaag caagaaggtc tttctgtttc cttggattta gctagttttg agatgggtcag 180
gaattctaaa tcagagcttc gacagcttct ggagtctggt aacatagatc tttgctttgc 240
taacgaggac gaagcagcag agctccttag gggtgagcaa naagcgggtc cggaggcagc 300
tcttgagttc ctaaggcaga cattgcaa at gggctgtggt aactttaggg tccaanggg 360
gcattggaaa acatgataaa gaagtgggta catatatcag ncataaggag angacagtng 420
caactgatgc c 431

<210> 15148
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-F7

<400> 15148

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tggtttgcaa tctctccac gaagcgttc atcattcatg gctatttgaa tctctcttct 120
ctctctctat caaatatgca aaaccttca acggtaacc aggaatcagc cgcaccggtc 180
tttgatttct tccacgggt canaggttta acctctagaa atcgatcccc gtgttcgaat 240
tcagatgggt atgctctctc atcgtnaat gccttgact tcaatgggtt cggacttta 300
ccctcccgaa ggatgggaaa aancctagct tcttgagct tcaacactaa gagcagtgt 360
ggttcgagtc tccgtaagtt tatcaagnga tttcaagaag cttt 404

<210> 15149
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-G10

<400> 15149

gtctgcttgt tttgctttga tccgtcgttt atactttgtt gtggtgagtg gaatttgctt 60
caaaataaat cctgaaatta ttacganatt ctgaaccagt tccatttgat ataataat 120

aatataaaca atacctgaat ctttaagtca atacttacta caggtttggt atcnaaacia 180
gttcttctct gtttttagtaa atgtntcttc tgtctcagtc tcactagaac gatctgtcca 240
ngaaattttc tcgnaaaggg ttattatggc tgaaggagtt gtggtggttg gngttcataa 300
gctttgggag cttctgancg gagaatcggc gcgantgaat ngaattgggtg aacangttga 360
tggacnaaag cgtcagctgg gaaggntnca ntcantgctg aaaggnnnnn nacggcaagn 420
nng 423

<210> 15150
<211> 493
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-G2

<400> 15150
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tgtcaacggt agnaaccgta ggttaagctt tgctctctta tgcagtgatc aattattcac 120
ataaatgttt tgtcaaatat ttaagtggga cttcatgaat taaattagtg aagtgaagcat 180
tgctcaaagt tgtatatatt aagccatgag ctttctcat gactcataat atctcagtaa 240
aacanaataa catacaaagc gatagcattt ggattctatc acttctcttc ttcattcatc 300
ttcttcttct ggccgccttc aaacgcaaaa atcatgggaa acatcgacga ataccatctc 360
ctctgggttt tccaatcatc ggaaacttac atcagctcgg agaattacaa catcagtctc 420
tatggaagct ctcaaagaag tatggccctg tnatgctttt gaagcttgga aaagtcccca 480
cactcanact ttc 493

<210> 15151
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-G3

<400> 15151
tttttttctt tttgttcaac gaatctctat ctctctctag attttgggga ttttgccttc 60

tctccctctc tgtctctctt tgggtgctcgt agctttctgt ctcccaattg agagaaggag 120
 ggagatagaa acgtcgatgg gcttaattgt ggatgatgat aacgatggag aagttttgat 180
 tccgccgccg aatTTTTTcaa tgggtanaaga tgaaatttac cgatctgggt ttcctgagct 240
 ggagaatttc ggattcttat caaccctaaa atcctccatt catcaattat ctgtgtcctg 300
 agccataccc tgaaggacaa tctcaaagtc tcntgcatcc aacaacatta agccttttcc 360
 agttcgggga attgaangca aaaacggatc tccaactcct atgccaaaag gatacagt 418

<210> 15152
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-G9

<400> 15152
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 cattccgtct atttgcctac ccatgtctca attggagctc gcgatgaggt taggacgctt 120
 ttcgtcgccg gacttctga agatgtcaag cctcgggaga tctacaatct ctttcgtgag 180
 ttcccaggat atgagacttc gcatctccgg agctcagatg gagctaagcc cttcgcattt 240
 gctgtgttct cgagatctgc aatcagctgt agcggtgatg catgctcnca atggaatggt 300
 gtttgatent gaaaagcatt ctactcntca nattgacct tgccaaatca aatccaaatc 360
 taaacgttna ntaacaggat atngng 386

<210> 15153
 <211> 259
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-A2

<400> 15153
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 accattcaag gaaaaaggat aaatcttgta gaaagaagat gccaaaatga tttttttatt 120
 tagaaattaa acagcgacgt cgttttgcag ctacagtgcg atcatcta atcagtcagtgt 180
 cttcaagttt aaaccgcac tctagtctct ctctacttct ctctgtgtac aatattcgga 240

aagtgaggaa gatacactg

259

<210> 15154
<211> 250
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-A6

<400> 15154

attcttaatt tctcaaaaat cttatctttc tccctcattt ttcccgtcga gggttcctta 60
atctccttcc taggaacggt tcatcgattt catatttgct ttccttaatc cacaacgttt 120
cttccttcgt ttttttctgc aattttgttt tcctttacac caaattcatc tcttagtctt 180
gtccaatttt cgattttttt tccgacaatc ctgattgttt gtttttttat ctgtcgggat 240
ttcgaatggt 250

<210> 15155
<211> 256
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-A7

<400> 15155

gcaacatggg ctgaggctac aatgcgaact tcgggggttg atactacacg acgattttac 60
attgatacac ttcagggttg cccattgcga aggcctatca agtgggagag cgcaccaact 120
ttcgcatttc cgtctgctaa aagctttgtg ttccctgtgg ttagtggtca aacgatggaa 180
ctagctatag ctcaattttg gtcaagtggc ctcggaagtc gtgaaccaac tatcgttgac 240
tttgagattg aattcc 256

<210> 15156
<211> 244
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-B2

<400> 15156

tggtcggtct ctctcggttac ggtgaggctg aggctgaggc ggagattgag agagaccaac 60
 catgatacga cgaatcaccg agagagcttc tggtttcgct aagaatattc cgattctcaa 120
 atcgtctcga tttcacgggg aatccctcca ttctcctgtn tcccttggtc ccantcccg 180
 ggtccaagtn ntccantgnc angangctgt tgggaatgta tccaaactat cncgattgnc 240
 naggc 244

<210> 15157
 <211> 93
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-075-Q1-E1-B3
 <400> 15157

tctcattent cgttcntcca aacgttcaac tctcgttcc tctttccgcg gcgtctctct 60
 caagnacaac aatctccacc gtctccaagc tgt 93

<210> 15158
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-F4
 <400> 15158

gantgggaga aagaattgan aatgggtaca tgggaggatg atattaatgc ttattcttat 60
 gcttaccat tgggnattatc catctgagaa gcttgtcttc aaatgggttg aatcaagaaa 120
 gcctgaaaga tactcttcag ctgcaccact ctctctgat gcacgtttac ggattgtttc 180
 tgaacgantt gacctaactg acaacctcgt catttctatt tcgataggtc ccccaaactc 240
 aagattaaca tcaaaagaaa agaaaacatg gtccgctaaa gaagttgctg attctgtttt 300
 gtctgataaa tcagcattgc gtgtcacctc aagtcagcgt cttgaagaga gttcggttct 360
 tgatgctcat gctagtata ttgatggggg aacccttact ggtactacga gtaacttgtc 420
 cgnaatcaa caaccaanag 440

<210> 15159

gacccccccct ctctattcaa aa

262

<210> 15162
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-075-Q1-E1-D7

<400> 15162

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aaatatcaat ataagtttca aaatttagag aagaaagaac ttcattgatt gtgagttcta 120
aataaataat ggtaggtata tattagtgat anagggttag gaagaagtcg ttatatacat 180
aaactcagtg taatgtttct gtcaagcttt gctttgattt aaggattgta ctttcttcct 240
tctcactggt a 251

<210> 15163
<211> 258
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-075-Q1-E1-E1

<400> 15163

ctatggcgac ccagaagtta tcattgccga gaatggtag agaaaatact caaagctcat 60
ttcctaaatt tcaatattat tttatTTTTg atgaaaaacg aagtttgaat ttttcttttg 120
gttttcaagg atacggagaa gaccttgag agaagcacia tgacgtaaac tttgggacac 180
aagatcacia cagaaaatat tatatccaaa ggcattctt gagtatgcac gacgccattt 240
gcaaggacia agtgaacg 258

<210> 15164
<211> 308
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-B9

<400> 15164

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 gtgaaatgat cattgtctat gaatatatgg agaaggggaaac gcttaaggac catttgtatg 120
 acttgatga taagccgagg ttgagttggn gacagaggct tgagatatgc gttggtgcan 180
 ctagagggct tcattacctc cacacagggt ccacnagagc aatcatacac cgccatgtga 240
 natctgnaa cattctattg gatganaatt ttanggctaa anttgcnatg tttggattgt 300
 ctaanaca 308

<210> 15165
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-C1

<400> 15165
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 gaggaagaag atgaggaaga ggagcctgag cagttattca gaagattgag aaaagggaaa 180
 gctagagcaa ggcctgagga tgaagaagag ccatcacctc cacaaggatt gcctggatca 240
 gcaatacata acgaaagact taaccgtcca cttatccgct ctttaccatc agangaggca 300
 tcacgcggtg gtgatagcca ttcgcaatcc ccacctgttg tgantccaac ancacctggn 360
 gaagcacgtt nagagggaaa aantcttcaa aggagaata anggttaacc gngcccttg 420
 gggtttacaa aggtcaaaag 440

<210> 15166
 <211> 269
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-C10

<400> 15166
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 attatttagt tattgcggat aaagaacaat aataatatgg ggatgtctaa angtatcang 120

gttatcttat ctcttgctct cgtagtgttc ttggcccttg ctgcaaccan ggttgaggcc 180
 acangataca ganccttatcc tgctatcgat cgtggagatc atgcngtaca ttgtgacaaa 240
 ncccacccta acacctgcaa tangannga 269

<210> 15167
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-C6
 <400> 15167

gggaaaaaag atgcaaacgc ttctctgtca gccatgtaag tctcttccta tactcactgc 60
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 agcgtcggag aaagtctcga agtttcaatt tcatgtaacc ctaagcccct ttgcctttcg 180
 tggttttctca atatgtcgcg aatttgctgt tcgtggagct tatgggatta gattttgctc 240
 acgagaagat gtttccggtg ttggaaatgg aggaatcgtg gcggaggagg agattgaagc 300
 tattgaacaa gccgaatcct ttacccaaat cagaaaatga aggagagtgg taaagcagac 360
 gatgacgcga atctggngc cgtttntgga aattccttaa accgggaaga aagaagggga 420
 aaggaatt 428

<210> 15168
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-C8
 <400> 15168

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 caaattcaat gcttctctaa agganacnac ttttactggt tcttcatttt caaaccatct 120
 tanagctgaa aagatatcca ccctgttgac catcaaggaa cagagaagac agaaaccgcg 180
 attttccacc ggtattcgtg cacagacagt tacagccacg ccgccggcaa acgaagcatc 240
 gccggagcaa nagaagactg aganaaaagg cactgcagtg atcactngga gctcgtctgg 300

gttaagttaa actacggcca agggctttan gnagagacag ggaaatggca tgtgatcatn 360
gcttgagga annttctcaa ggccgagaaa ngcagngaga tcgttgggan ggtcg 415

<210> 15169
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-D12

<400> 15169

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agaggaagca ctgtggaaaa tacagagaga gaataagaat agggtttccc gtgagaagaa 180
agagaggcgc aagcttatgg cagagcaagt aactctccga aaatctcgaa agattgaaat 240
aattgaggat gtagtagaag aagaagaacc tgangaaaac tctgaagctc ttgcaaacia 300
agggattcct ttccaaagac atcatagact ttcttgcggn gcgaagaaaa acaaaaagct 360
gangtcagat tctgaagaag aangatna tntnngnagt cccaacnaa ggnag 415

<210> 15170
<211> 249
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-074-Q1-E1-D3

<400> 15170

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tttagagaac aggtcctaaa actctccgct taaattcttt cattttcgag ttgtcttttt 120
gcgttggtat atacaattca tggttatcac ttatcagcaa ctgagtgatc agtgtaatgt 180
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 <223> unsure at all n locations
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 ggcaggccgg ctcaaggagg tatgaagggtg aatcaaanca gaagtacaca actaagaaga 180
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 cctccaaatt cctcgaagct ccangccaca nnagaatant taantattga nagaagctgg 360
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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